**Ravikumar Maddi**

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# **PROFESSIONAL PROFILE**

 I have 16.2 years of experience in software development as an individual contributor in product based and service based organizations and successfully completed 9 projects end-to-end solution and implementation and architecture, and design solutions for 18 projects with Core Java, J2EE, Spring Framework, micro services, web services, commerce, blockchain, machine learning, Hadoop, NoSQL, SOA, Cloud computing by fallowing Agile and Agile Scrum Methodologies. And I have excellent experience on OOPs, UML, design patterns, NFRs, SOLID principle, Architecture styles, distributed computing, data structures and algorithms. And domain expert in Capital and Retail Market, eCommerce(B2C & B2B), Telecom(BSS & OSS) and Logistics.

# **PRIMARY RESPONSIBILITIES**

* Providing end-to-end technical road-map and ownership for the products/projects from scratch
* Migrating from monolithic to microservices application.
* Migrating applications from in-premisses to cloud.
* Migrating from licenses technogies to open source technologies.
* Providing Solutions based on 4+1 Views, SOLID, DRY, CAP principles.
* Providing BigData Solutions based on CAP theorem,
* Working as Project functional mentor and technical mentor.
* Doing high level design reviews, performance reviews, process reviews for all projects in the organization.
* Working for multiple projects with different technologies, frameworks, architecture styles and domains.
* Providing solutions, design decisions for applications.
* Providing technical solutions in scope of **microservices**, cloud, web services, Distributed/Clustered, SOA applications and caches, Custom frameworks, massage broker, Big Data, NoSQL and databases.
* Providing very large HADR public/private/hybrid cloud-based systems.
* **Hands on coding** and implementations in terms of Prototype, POCs, R&D, Code reviews, Technical Problems and Solutions, Code Optimization, and markups with aplomb.
* Interacting with Clients, Off-shore/On-site top order focks, Business matter experts, Managers, Leads, CEOs diplomatically.
* I delivers Solutions, technology decision, HLD, Design, code and Performance Reviews, Prototype, PoC, R&D, Demos and KT sessions.
* Providing sprint plan, prioritizing, change plan, leaves management, delivery plan, coordinating with client as scrum master.
* Managing teams, tasks, task update on daily basis, motivate them, collecting feedback, giving functional/technical sessions to team.
* Work with development team to ramp up implementation and helping in complex issues.
* Resolving release or production complex issues independently on high priority.
* Providing solutions for microservices with spring and it's supported tools.
* Providing automation of merge, build and deploy process with DevOps tools.
* Management and execution against project plans and delivery commitments.
* Providing efficient OOAD, Design patterns, algorithms and distributed solutions.
* Providing most feasible solutions for NFRs.
* Providing big data solutions for analytics, visualization and dashboard requirements.
* Providing high accurate and feasible RFIs, RFPs, Pre-Sales and Proposals.
* Providing fast and high performance eCommerce solutions with Magento, hybris and Oracle AGT Web Commerce on WCMS, pricing, orders, fulfillment, cron jobs,
* Providing end-to-end microservice eCommerce solutions with Open Source frameworks like Magento Commerce and java & Spring stack.
* Providing clear product roadmap for SaaS, IaaS and PaaS as consumption models.
* Work closely with the engineers to architect and develop the best technical design, approach and resolve issues.
* Taking initiative to do analysis on new the latest technologies and tools and make it benefit of them in current applications.
* Providing requirement understanding sessions, technical sessions on required skills to the teams.
* Identifying current and upcoming needed requirements and resources, taking full responsibility in interviewing and selecting resources best fit to our needs.
* Taken more than 1200 interviews and selected around 300 candidates in all levels for the organization.

# **ROLES**

## **Role------------------------------------------------------------------------------------- Experience in years ----- Range (in 10)**

IC Role (Product/Enterprise/Solution/Cloud/Integration/Technical Architect) ------------ 10 ------------------------------------ 8

Management ----------------------------------------------------------------------------------------------- 6 ------------------------------------- 7

Software Engineer----------------------------------------------------------------------------------------- 5 ------------------------------------ 8

**Expecting Role** – **I played and will fulfilled as** **Product Architect, Individual Contributor, Architect for Microservices, Cloud,** **Solution, Enterprise, Integration, Technical , Technology Head, Technical Manager, VP for Technologies, Technical Directory, CTO, Chief Technical Head, Product Delivery Manager/Head, Presales Lead/M.**

# **DOMAIN EXPERT IN**

eCommerce------------------------------------------------------------------------ 7 ------------------------8

Retail & Capital Market & Credit Risk -------------------------------------- 5 ------------------------ 8

Telecom (BSS & OSS) --------------------------------------------------------- 3 ------------------------ 7

Logistics ---------------------------------------------------------------------------- 2 ------------------------7

# **OTHER DOMAIN EXPERTISE IN**

**Investments, Insurance, Healthcare, Credit risk, Mortgage, Payments, Manufacturing, CRM, ERP, HRM, Power Management.**

# **PROFESSIONAL HISTORY**

## **EliIndia(Eyecare Leaders), Bangalore**------------- Senior Solution Architect-----------**Permanent**---- Feb2017------- till date

TVSNext,Chennaithrough Nagarro, Gurgaon------------- Technical Architect-------------------**Permanent**---- Feb2014------ Feb2017

VARITE, Gurgaon (Cisco, RealSoft, Kronos, Capgemeini)-- Tech Architect----------------------**Permanent**---- April2009----- Feb2014

Scope International, Chennai-------------------------------SE & System Analyst -------------- **Permanent**-----Feb2008------April2009

Siemens, Chennai----------------------------------------------SE & System Analyst--------------- **Permanent**-----Jun2003-------Feb2008

# **MY TECHNICAL EXPERTISE IN DETAIL**

* Application Languages------- **Java, Scala**, Groovy, Python, Ruby. Go Lang
* Application Frameworks ---- **Spring 4/3.5**, Struts 2 & 1, J2EE 1.7, Grails 3/2.5/2.3, Ruby on Rails 2.2, Play Framework 2.2, Akka 2.3.
* Architecture approaches --- Microservices, Cloud Computing, Client-Server, Multi-tier, Distributed & Clustering, Distributed Computing, Massage Broker, Service Oriented and Mobile.
* **Microservices**(MS) ---------- Conway's Law, MS Design Principles, Circuit Breaker, Spring Boot, DDD
* **Spring Framework 5.0.4/4.x/3.5** ------ Boot, MVC, REST, Integration, Batch, IOC, AOP, JPA, JDBC, Cache, Web services, TM, Security
* **Spring Cloud** --- Netflix Eureka, Ribbon, Hystrix(Circuit Breaker, Fallback method), Feign, Zuul, Config Server(Git and Native)
* **Spring Boot** -------------------- CLI, Starters, Boot Admin, Spring tools 4,
* **Spring Cloud** ------------------ Eureka, Zuul, Hystrix, Ribbon, Spring Cloud Config Server, Logstash
* **DevOps** --------------------- Nagios, Chef, Jenkins, Vagrant, TFS, Splunk, Ansible, Prometheus, Ganglia, Snort, UDeploy, Pagerduty, Puppet, Gulp, Docker, Kubernetes, GitLabs.
* **Blockchain** --------------------- BC Types, Bitcoin, Bitcoin Mining, Ethereum, Private/Public Ethereum, Hyperledger, Multichain
* Application Servers ----------- WebSphere 8.0/7.0/6.0, WebLogic 12c/11g, JBoss (WildFly) 9.0/8.0/7.0.
* Web Servers -------------- Apache Tomcat 5/6/7, Jetty 9/8/7.
* **Java 1.8/1.7/1.5** ---------------- Lambda Expressions, functional programing, NIO, Streams, Nashorn, Fork & Join, Collections, Data Structures, Algorithms, Multithreads, Exception Handling, JDBC, IO, Reflection, Annotations, Generics, Concurrence Collection.
* J2EE 1.7 and 1.6---------------- JSP 2.1, Servlets 4, JSF 2.3, Java Restful 2.1, EJB 3, JMS 2.1.
* JVM -------------------------------- JVM performance tuning, Profiling, memory management, garbage collections, custom class loaders, JVM parameters, heap/thread dump analysis, JVM best practices.
* Machine Learning -------------- Deap Learning, Neural Network, RNN, CNN, Regression types, TensorFlow, Vector Machines, Bayesian Learning,
* Design Patterns (DPs) ------- Gang of Four DPs, Integration DPs, Anti Design Patterns, Architecture Patterns and Principles, SOA DPs, Cloud DPs, MapReduce DPs.
* Design Principles --------------- **SOLID**, **CAT**, VVV, DRY, KISS
* Cloud Stream(RabbitMQ), Cloud Stream Data Flow, Cloud Bus
* Build Tools – Maven, SBT, Ant, Gradle, Python, Perl, Shell Script.
* CI and CD - Jenkins, Bamboo, Chef, Puppet, Ansible, Docker,
* Documentations for ———— Solution Documents, SRS, HLD, LLD, User Guides, Technology Selection and reviews, Technical Docs, POC Description and usage, Best Practices, RFPs, Pre-Sales, Estimation, Solution Docs, Proposals, Review Checklist, Performance Guidelines, Coding Standards, Frequent Occurring Issues Docs, Training and Technical Test Papers.
* Distributed Caches ------- Hazelcast, Radis, Memcached
* Hybris Accelerators --------- B2C, B2B, Financial Services.
* Hybris 5.2 to 5.0 --------- Core Extension, Cache, Order Management, Configure and Connect, Payment and Payment Standard Process/Gateways, HMC, WCMS, HAC, CMS-Cockpit, Admin Cockpit, Amazon Cloud, BTG Cockpit, Catalog, CMS2 Cockpit, Commerce Search, CS Cockpit. Print Cockpit, Product Cockpit, Promotions, Voucher, Admin Cockpit, Commerce, Back Office.
* Oracle ATG ---------- Endeca Experience Manager, Endeca Search, Assert management(AM), Agent Facing,
* **Hadoop 2.6/2.5**----------- HDFS, MapReduce, MapReduce design patterns, YARN, Schema Design and Query Design, HBase, Apache Pig, Apache Hive, Cloudera, Apache Storm0.9, Apache Spark1.5, Kafka 0.8.2, Apache Sqoop, Zookeeper, Flume, Oozie, Data Backup Strategies
* **NoSQL Frameworks** ------ MongoDB 3.0/2.x, Cassandra2.1/2.0, Elastic Search1.3.5/1.2, Apache Solr (Lucene)3.5, Redis3.0/2.x, Neo4J,
* RDBMS Databases -------- My SQL, Oracle 9i(SQL, PL/SQL), PostgreSQL, DB2, Sybase.
* Web Services Frameworks – Java Restful, JAX-WS, Apache CXF, Axis2, JAXP, JAXB, JAXM, JAX-RPC, JAXR, JWS, JWS-Security.
* SOA Frameworks --------- ESB, BPM, EAI, BRMS, OAF, IIB v9, ESB Mule, DFDL, SOA Governance, SOA Security, Oracle BPM.
* Enterprise Integration Frameworks – Apache Camel 2.1, MuleESB 3.6, Spring Integration
* Architecture Frameworks - TOGAF (No certifications, only practically applied experience in projects.).
* Message Broker Frameworks – OpenMQ 4.5, RabbitMQ 3.5, Apache MQ 2.1.
* Cloud Service Models ---- SAAS, IAAS, PAAS, FAAS, HADR, Cloud Foundry
* Cloud Deployment Models --- Private Cloud, Public Cloud, Hybrid Cloud.
* AWS ---------------------------- EC2, CLI, AWS Java SKD, API Gateway, Security, DNS, CloudFront, Beanstalk, MapReduce, RDS, EBS, S3, Simple DB, SQS, SNS, SES, Cloud Watch, Cloud Front, Cloud Tail, VPC, Load Balancing, Auto Scaling
* Google Cloud(GC) --------------- Kubernetes Engine, Cloud Identity, Cloud Infrastructure Design, GC for BigData and Machine Learning, TensorFlow, G Suite Administration
* Azure -------------------------- VMs, Virtual Networks, Availability Sets, Gateway, Active Directory, Cloud Witness, Key Vault, Load Balancer, Monitor, Resource Manager, Security Center, Automation, Storage
* ORM Frameworks --------- Hibernate4.0/3.5, MyBatis 3.2, TopLink 11g/9g.
* JavaScript Frameworks (Libraries) --- NodeJS, Angular 6/5/4, ReactJS 16.\* to 10.\*, AngularJS, Bootstrap 3.3, BackboneJS 1.2, ExpressJS, Sequelize, JQuery, JavaScript, AJAX.
* Methodologies---------------Agile, Scrum, TDD.
* Code Quality Frameworks--- Sonar, PMD, Firebug, Check style.
* Performance tools ------- JMeter, Youkit, JProfiler, Eclipse Memory Analyzer, VisualVM, JConsole, Oracle Enterprise Manager.
* Scrum Tools --------------- JIRA, CollabNet TeamForge, Remidy, VersionOne.
* Android 5.5/5.0 ------------ Android Native API, SQLite, HTML5, CSS3, OpenGL, Google Maps, PhoneGap.
* iOS --------------------------- Xcode, Swift, Obj-C, Cocoa Libraries.
* Security API----------------- JAAS, Oarth2, OpenId, SSL, Java Cryptography, SSL.
* Java XML Parsers---------- SAX, DOM, JDOM.
* Design Patterns-------------- Session façade, Front Controller, DAO, Chain of Responsibility, Composition, Aggregation, Abstract Factory, Factory method, Bridge, Singleton, Builder, Iterate, Observer, State, Strategy, Visitor, Flyweight, Proxy, Router, Translation.
* Version Control Tools------ Git, Bitbucket,SVN
* Web Services Protocols -- SOAP, REST, WSDL, WSFL, UDDI.
* RAD IDE---------------------- Eclipse, JBuilder, Netbeans.
* Agile Tools -------------------- JIRA, VersionOne
* XML Technologies----------XML, DTD, Schema, XLink, XPath, XQuery, XSLT.
* UML tools-------------------- Rational Rose, Eclipse Modeling IDE.
* Web Design ----------------- HTML, CSS, HTML5, CSS3, Selenium testing, JSUnit testing, FindBug.
* Telecom ---------------------- Network, GSM, CDMA, 2G, 3G, LIFI
* Operating Systems--------- Unix, Linux, Windows.

# **QUALIFICATION**

## **MCA (Master of Computer Applications)**

### **Course ----------------Year ---- % -------Type---------University/Board----------------------- College/School**

MCA----------------------- 2003----66%----Regular------Nagarjuna University-------------------- TJPS College for PG Courser (Guntur, AP)

BSc (Computer Sc.)--- 2000----62%----Regular------Nagarjuna University---------------------D.R.N, S.C.V.S (Chilakaluri Pet, AP)

M.P.C--------------------- 1997----73%----Regular------Board of Intermediate Education----- S.C.V.S Jr. College (Chilakaluri Pet, AP)

SSC----------------------- 1995---- 69%---Regular------Board of Secondary Education-------- HP School (Kollapudi, AP)

# **PROJECTS**

## **Project --------------------------------------- Domain ------------------------------------------------------- Period**

Schneider Electric Retail(DCES) -- Electricals Retail and Wholesale --------------- Oct2017- till date

MyCare Integrity ----------------------- Health care ----------------------------------------------- Feb2017- Oct2017

Viridity Energy ----------------------------- Power Management and Forecast and Analyzer ---- March2017- Sept2016

Sprint ----------------------------------------- Vehicle remote management and tracking ------------- March2015 – till date

## Fantastic Furniture in Australia -------- Hybris B2C/B2B eCommerce ------------------------------ Aug2014- till date

US Based jewelry retailer --------------- Hybris B2C eCommerce ------------------------------------ March2014 - Nov2014

Electronics and Apparel retailer ------- Hybris B2C and B2B eCommerce ------------------------ Feb2014 – June2015

Lufthansa CrewMeals-------------------- Orders and Billing System ---------------------------------- Feb2014-Till Date

RMS-----------------------------------------Issue/Task management system ------------------------ Feb2012-Feb2014

Kronos (NGUI, WFC) ------------------HR Management and Payroll------------------------------ April2011-Jan2012

Exception Monitoring-------------------Investment Banking------------------------------------------ Jan2010- March2011

eBBS Core Banking--------------------Billing and Payments, Cash Management-------------- Feb2008 –April2009

MATRIX, SIEMENS ------------------- Water Meter Services and Maintenance----------------- Feb2003 – Feb2008

# **MY APPLICATIONS**

## **Schneider Electrical Retail(DCES)**

## Schneider Electric is leading the Digital Transformation of Energy Management and Automation in Homes, Buildings, Data Centers, Infrastructure and Industries. With global presence in over 100 countries, Schneider is the undisputable leader in Power Management – Medium Voltage, Low Voltage and Secure Power, and in Automation Systems. We provide integrated efficiency solutions, combining energy, automation and software.

## **My Ownership**:

## I worked on Schneider Retail (eDesign, Closedloop, Retail Rule Engine, Easy Quote(EQ), Mix @ Match)

## Recently provided Complete end-to-end solution architecture design to support around 56 countries.

## Working on HADR for more than 120 Cloud instances and 25 applications.

## Provided completely auto-scalable, multi-tenant databases with SQL and NoSQL.

## Focused instances for prime customers. Support more customized and configurable views and features in micro-services fashion.

## Deliverable: Technology Architecture in terms of solution documents, HLD, LLD, Technical design, Approach, Options, Pros-Cons, Recommendation, POCs, Demos and Base Project.

## Effort estimation for the options around the approach.

## Facilitate discussion between Customer IT teams. I provided estimations, release plan, and resource allocation.

## Interacted with Clients to gather the requirements and approval process.

## Prepared Data Model includes Tables, Constrains, and Indexes.

## Providing Design Solutions, POCs and Problem fixing across multiple other projects.

## Designed for base optimized view portal for android and iOS devices.

## Defined the complete process which includes, code version management, merge, configuration sets, build, deploy and monitor using set of DevOps tools.

## Determining the correct aws cloud infrastructure with auto scaling, data storage and backup and fail tolerance considerations.

## Proper cluster configuration and deployment to integrate with the data centers.

## Fixing production issues as quick as early.

## Load data into the cluster from dynamically-generated files using Flume and from RDBMS using Sqoop.

## Configuring the Fair Scheduler to provide service-level agreements for multiple users of a cluster

## Best practices for preparing and maintaining Apache Hadoop in production

## Troubleshooting, diagnosing, tuning, and solving Hadoop issues.

## Given demos/presentation on Setup, Maven Modules Structures, and Deployment process.

## **Environment: Mainly used:**Java8, Angular 4, Scala 2.11, Akka 2.3.14, J2EE1.6, Spring MVC 3.2, JPA 2.0, SOA APIs, micro services, MuleESB, MongoDB, DevOps tools, Big Data with Hadoop-2.5 stack and Cassandra, Apache Camel 2.1,AWS.

## **Secondarily Used:** Spark1.5, Apache Storm0.9, ReactJS 16.2, Kafka 0.8.2, Oracle BPM, JBoss EAP 6.3, MYSQL 5.5, Ruby on Rails, Azure, Android, iOS, Cloud Computing, IIB, Cloud Foundry, SaaS and PaaS Solution design, NodeJS, VisualVM, YouKit, JMeter, iOS, Android, Jenkins, Maven, Shell Script.

**Integrity**

Eye Care Leaders is source for ophthalmology-specific EHR and Practice Management systems. With a singular focus on eye care practices, Eye Care Leaders tailors solutions to meet the unique needs of each practice. Eye Care Leaders has brought together leading eye care companies including Integrity, iMedicWare, ManagementPlus, MDOffice, Medflow, My Vision Express, KeyMedical, ioPracticeware, and EyeDoc.

**My Ownership:**

1. I worked for Integrity(advanced-search, codes, coding-engine, config-service, document-generator, emr-erx, integrivault, patient-educator, uber-data-central).
2. I given solutions very critical issues back-end services working very slow and schedules are stopped with exception
3. Given solutions for complete architecture change, framework and POCs and Phototype implementations.
4. Focused instances for prime customers. Support more customized and configurable views and features in micro-services fashion.
5. Deliverable: Technology Architecture in terms of solution documents, HLD, LLD, Technical design, Approach, Options, Pros-Cons, Recommendation, POCs, Demos and Base Project.
6. Effort estimation for the options around the approach.
7. Facilitate discussion between Customer IT teams. I provided estimations, release plan, and resource allocation.
8. Interacted with Clients to gather the requirements and approval process.
9. Prepared Data Model includes Tables, Constrains, and Indexes.
10. Providing Design Solutions, POCs and Problem fixing across multiple other projects.
11. Designed for base optimized view portal for android and iOS devices.
12. Determining the correct aws cloud infrastructure with auto scaling, data storage and backup and fail tolerance considerations.
13. Proper cluster configuration and deployment to integrate with the data centers.
14. Fixing production issues as quick as early.
15. Load data into the cluster from dynamically-generated files using Flume and from RDBMS using Sqoop.
16. Configuring the Fair Scheduler to provide service-level agreements for multiple users of a cluster
17. Best practices for preparing and maintaining Apache Hadoop in production
18. Troubleshooting, diagnosing, tuning, and solving Hadoop issues.
19. Given demos/presentation on Setup, Maven Modules Structures, and Deployment process.

**Environment**: Mainly used: Java8, Scala 2.11, ReactJs 15.6, Akka 2.3.14, DevOps Tools, J2EE1.6, Spring MVC 3.2, JPA 2.0, SOA APIs, micro services, MuleESB, MongoDB, Big Data with Hadoop-2.5 stack and Cassandra, Apache Camel 2.1, AWS.

**Secondarily Used**: Spark1.5, Apache Storm0.9, Kafka 0.8.2, Oracle BPM, JBoss EAP 6.3, MYSQL 5.5, Ruby on Rails, Android, iOS, Angular 4, Cloud Computing, IIB, Cloud Foundry, SaaS and PaaS Solution design, NodeJS, VisualVM, YouKit, JMeter, iOS, Android, Jenkins, Maven, Azure, Shell Script.

## **Viridity Energy**

VPower 2.0 is a software application consisting of a suite of products that provides actionable information to enable clients to: gain insight into the efficiency of their energy usage, reduce their energy expenditure, and participate in wholesale electricity markets to earn revenue when desired.

### **My Ownership:**

1. Provided Complete end-to-end solution for new architecture change which fulfill the new requirements that should support 2000 customers. 1 million meters and meter groups. Focused instances for prime customers. Support more customized and configurable views and features in micro-services passion.
	1. Deliverable: Technology Architecture in terms of solution documents, HLD, LLD, Technical design, Approach, Options, Pros-Cons, Recommendation, POCs, Demos and Base Project.
	2. Effort estimation for the options around the approach.
	3. Facilitate discussion between Customer IT teams. I provided estimations, release plan, and resource allocation.
	4. Interacted with Clients to gather the requirements and approval process.
	5. Prepared Data Model includes Tables, Constrains, and Indexes.
	6. Providing Design Solutions, POCs and Problem fixing across multiple other projects.
	7. Designed for base optimized view portal for android and iOS devices.

### **Environment**: **Mainly used**:Java8, Scala 2.11, Akka 2.3.14, J2EE1.6, Spring MVC 3.2, JPA 2.0, SOA APIs, micro services, MuleESB, MongoDB, DevOps tools, Big Data with Hadoop-2.5 stack and Cassandra, Apache Camel 2.1,AWS.

### **Secondarily Used**: Spark1.5, ReactJS, Azure, Apache Storm0.9, Kafka 0.8.2, Oracle BPM, JBoss EAP 6.3, MYSQL 5.5, Ruby on Rails, Android, iOS, AngularJS, Cloud Computing, IIB, Cloud Foundry, SaaS and PaaS Solution design, NodeJS, VisualVM, YouKit, JMeter, iOS, Android, Jenkins, Maven, Shell Script.

## **Sprint**

Sprint is a Vehicle remote management and tracking system. It is providing features: vehicle position and vehicle condition, vehicle state, thrift control. It have five major modules work together are State Management(SM), Change Management(CM), Notification Manager(NM), TU (Telemetric Unit), User Access Application(UAA). All modules are interacting each other by JMS static/dynamic destinations queues and topics. And to segregate and execute the requests, we are using reactor, Axon frameworks.

### **My Ownership:**

1. Requirements gathering and design phase
	1. Deliverable: Technology Architecture in terms of Solution Documents, HLD, SRS, LLD, Technical design, Approach, Options, Pros-Cons, Recommendation. (Word Doc, PPT)
	2. Effort estimation for the options around the approach.
	3. Facilitate discussion between Customer IT teams. I provided estimations, release plan, and resource allocation.
	4. Interacted with Clients to gather the requirements and approval process.
	5. Prepared Data Model includes Tables, Constrains, and Indexes.
	6. Providing Design Solutions, POCs and Problem fixing across multiple other projects.
	7. Designed for base optimized view portal for android and iOS devices.
2. Determining the correct hardware and infrastructure for Hadoop cluster.
3. Proper cluster configuration and deployment to integrate with the data centers.
4. Load data into the cluster from dynamically-generated files using Flume and from RDBMS using Sqoop.
5. Configuring the Fair Scheduler to provide service-level agreements for multiple users of a cluster
6. Best practices for preparing and maintaining Apache Hadoop in production
7. Troubleshooting, diagnosing, tuning, and solving Hadoop issues
8. I gave baseline code implementation
9. Coding standards Documentation.
10. Defined code quality rules by using CheckStyle and PMD and Sonar.
11. Given demos/presentation on Setup, Maven Modules Structures, and Deployment process.

### **Environment**: **Mainly used**: Java8, Scala, ReactJS 14.\*, J2EE1.6, Spring MVC 3.2, EJB 3.1, JPA 2.0, Hibernate 4.1.10, SOA APIs, micro services, MuleESB, MongoDB, Big Data with Hadoop-2.5 stack and Cloudera, Cassandra, Apache Camel 2.1, Spark1.5, Axon Framework, Reactor, Apache Storm0.9, Kafka 0.8.2,

### **Secondarily used:** Oracle BPM, JBoss EAP 6.3, MYSQL 5.5, Ruby on Rails, Android, iOS, AngularJS, Cloud Computing, Cloud Foundry, AWS EC2, AWS S3, IIB, SaaS and PaaS Solution design, NodeJS, VisualVM, YouKit, JMeter, iOS, Android, Jenkins, Maven, Shell Script.

## **Fantastic Furniture in Australia**

E-commerce implementation for a furniture retailer (Hybris B2C ecommerce) Fantastic Furniture is Australia's Best Value Furniture and Bedding store, with 75 stores nationally. Project involved building a new online storefront based on Hybris multichannel platform 5.1, which include developing WCMS component for new website, customization of product cockpit, content cockpit and hmc enhancement to support e-commerce requirements, customization of e-commerce Checkout flow integration, Solr configuration, Live chat integration.

### **Roles and responsibilities**

* Providing technical POCs and workshops in WCMS, Commerce, Checkout and Cart, Order Management, User Groups, Product and Catalog management, internationalization, BB, BC, Promotions, scenarios, CSC, Cron Jobs, Impexes modules.
* Create the solution blueprint and own the estimating, sourcing, costing and integration across enterprise.
* Identify client buyer values and prepare solution accordingly.
* Identify competitive positioning and position Organizations assets to demonstrate competitive differentiators.
* Provided design to access few primary features from Android and iOS devices.
* Assist the Sales Leads in the development of industrialized standardized and repeatable market relevant solutions to their clients.
* Lead the solution, achieve internal approvals and agreed metrics.
* Update the system of record with appropriate solution details.
* Leverage Organization assets and third party relationships in architecting solutions.
* Engage subject matter experts as appropriate to develop customized solutions creating significant value for our clients.

### **Environment**: Apache Solr, partial TDD, AWS, Spring framework, JUnit, Java7, Hibernate 4.x, Multithread, SOAP, JQuery, Design patterns, MySQL, MongoDB, Hadoop 2.6, Apache Spark1.5, Kafka 0.8.2, Apache Storm0.9, Oracle 9, AWS Stack, Jboss4.1, Unix, Linux, JMeter, iOS, Android, Jenkins, Maven, Ant, Shell Script, Hybris Multi Channel, B2C and B2B eCommerce.

## **US Based jewelry retailer (Hybris B2C eCommerce)**

E-commerce implementation for a jewelry retailer (Hybris B2C and B2B ecommerce). Project involved building a new online storefront based on Hybris multichannel suite for one of the leading jewelry retailers based in US, which includes developing new WCMS components for a new website, importing data from existing Hybris and ERP system, customization of product cockpit and hmc to enhance data enrichment process, compare different products, Solr configurations and implementing SAP integration using hybris data hub.

### **Roles and responsibilities**

* Worked with hybris cockpits PCM, WCMS, HMC, and impex and hybris accelerators.
* Given implementation on Hybris integration with 3rd parties for payment, fraud, order management, fulfillment, catalog, CMS, Search (SOLR).
* Worked on implementing end-to-end Ecommerce solution in hybris Creating/designing e-commerce applications.
* Expertise in Ecommerce domain in hybris & Endeca for web/desktop application, Mobile sites. Good Knowledge on Apache Tomcat.
* Understanding Client requirements and its functional processes, giving the detailed training to the entire team in hybris technology. Performance/Load testing of websites.
* Provided design to access application from Android and iOS devices.

### **Environment**: Hybris Multi Channel, B2C and B2B eCommerce, Apache Solr, AWS, Spring framework, JUnit, Java7, Hibernate 4.x, Multithread, SOAP, JQuery, Design patterns, MySQL, iOS, Android, MongoDB, Oracle 9, AWS Stack, Jboss4.1, Unix, Linux, JMeter,Hudson, Ant, Python, Perl, Shell Script.

## **Electronics and Apparel retailer (Hybris B2C and B2B eCommerce) Feb2014 – June2015**

E-commerce implementation for electronics and apparel retailer (Hybris B2C ecommerce) involved enhancement of online storefront and native application based on Hybris multi-channel suite for one of the leading electronics retailers based in India which includes developing new WCMS components for a website, customizing product Cockpit, OMS and HMC to enhance data enrichment process, comparing different products and implementing Omni-channel use cases.

### **Roles and responsibilities**

* Migrating existing project to hybris project. Provided design and technology decisions and POCs for new migration.
* AWS cloud technologist, shepherd the team through commerce stack migration to AWS cloud • Architect, design and implement secure, highly available, scalable, high performance web services and applications for subscription commerce domain.
* Architect and design new innovative features for commerce, collaborating with cross-functional team throughout service life cycle.
* Investigate, analyze and make recommendation to technical team regarding technology improvements, upgrades and modifications.
* Introduce new cloud technologies, tools & processes to keep innovating in commerce area to drive greater business value.
* Provide expert guidance to the team to gradually migrate commerce services from on premise to cloud without impacting business continuity.
* Spearhead the team to effectively identify and resolve critical systems issues impacting customers and revenue.
* Proactively identify technical gaps in the current commerce solution, explore solution options with broader.
* Stakeholder and guide the team to implement solutions to improve performance, scalability, availability and security.
* Enable the team to stay ahead of the curve in providing state-of-the-art commerce solution with highest quality driving continuous business value.

### **Environment**: Hybris Multi Channel, B2C and B2B eCommerce, AWS, Hadoop, Apache Solr, Spring framework, JUnit, Java7, Hibernate 4.x, Multithread, iOS, Android Spark1.5, Kafka 0.8.2, SOAP, JQuery, Design patterns, MySQL, MongoDB, Oracle 9, AWS Stack, Weblogic, Unix, Linux, JMeter.

## **Lufthansa CrewMeals**

Crew Meals – an application that interacts with the different systems within Lufthansa to streamline the ordering, cancelling, feedback and billing of meals ordered by flight crew. The project responsibilities are

1. Collecting orders from DLK GS and CrewPortal by interacting with Lufthansa ISB (Integration Service Bus) and CrewAdmin and uploading into CrewMeals Databases.
2. Monthly billing and submitting to Lufthansa Salary Portal.
3. CrewAdmin portal - This is part of CrewMeals application, this portal only accessible by Supervisors. This portal facilitates – Pseudo orders, Add/Change Airport and Caterer information and billing dates.
4. Moreover, customer feedbacks, Extra Charges on short time orders, discounts and Order Reports.

### **My Ownership:**

 Implemented Phase

* 1. Implemented Prototype of application.
	2. Doing code reviews and Issue fixes.
	3. Implemented Admin User Preferences module and fetching orders using MongoDB. For this
	4. Implemented and reviewed MongoDB architecture design, DB deployment, data migration, and reporting scripts.
	5. Working closely with Java based application developers with best practices for MongoDB
	6. Working closely with operations on monitoring, analyzing and tuning MongoDB applications for optimal performance and scalability
	7. Design DB solutions for complex business requirements, including data processing and data analytics.

 Requirements gathering and design phase

* 1. Prepared Data Model includes Tables, Constrains, and Indexes.
	2. Providing Design Solutions, POCs and Problem fixing across multiple other projects.
	3. Provided design to check status of order, cancel order and feedback features from Android and iOS devices.
1. Determining the correct hardware and infrastructure for Hadoop cluster.
2. Proper cluster configuration and deployment to integrate with the data centers.
3. Load data into the cluster from dynamically generated files using Flume and from RDBMS using Sqoop.
4. Configuring the FairScheduler to provide service-level agreements for multiple users of a cluster
5. Best practices for preparing and maintaining Apache Hadoop in production.
6. Troubleshooting, diagnosing, tuning, and solving Hadoop issues.

### **Environment**: Java8, J2EE1.6, Spring MVC 3.2, MuleESB, IIB, EJB 3.1, JPA 2.0, Hibernate 4.1.10, SOA APIs, MongoDB, micro services, Big Data with Hadoop-2.5 stack and Cloudera, Cassandra, Spark1.5, Apache Storm0.9, Kafka 0.8.2, Oracle BPM, JBoss EAP 6.3, MYSQL 5.5, Ruby on Rails, Android, iOS, AngularJS, Cloud Computing, AWS EC2, AWS S3, SaaS and PaaS Solution design, NodeJS, VisualVM, YouKit, JMeter, Hudson, Ant, Shell Script

## **Cisco Remote Management Systems (RMS)**

Cisco Remote Management Services (RMS) is a suite of services that help accelerate the possible business benefits from Cisco advanced technologies. These services cover BSS/OSS inclueds sales, orders, payments, products and packages and the out tasked management and monitoring of network infrastructure, system devices, and applications across: Cisco Unified Communications, including Cisco Unified Contact Center, Cisco TelePresence™, Cisco Foundation Technologies, Cisco Data Center, Cisco Security solutions

RMS offers monitoring all Cisco devices placed in internal and external all around the world in form of incidents, change requests, service requests and alarms with device, rooms, and site wise.

### **Roles and responsibilities**

* Providing technical leadership to engineers both directly and indirectly through appropriate guidance, mentoring and direction and take full responsibility for the technology deployed and developed.
* Establish multi-tier web application architecture with appropriate levels of abstraction within various architectural layers.
* Implemented maintain the all the search results, user preferences, chats with MongoDB.
* Data Schema design, primary queries, performance turning and guideline in BigData.
* Created Hadoop clusters.
* Worked on BigData and Hadoop data analytics.

### **Environment**: Groovy 2.0.7, Grails 2.3, Core Java, Hibernate 3.5, Multithread, AngularJS, UML, SOA, SOAP, JQuery, Charts UI, Design patterns, MongoDB, XML, Oracle 9, SOA, ESB, BPM, EAI, BRMS, SOA Governance, Oracle BPM, SOA Security, Hadoop-2.3 stack, Spark1.5, Network, GSM, CDMA, 2G, 3G, Cloudera, AWS Stack, Apache Storm0.9, Kafka 0.8.2, Jboss4.1, Unix, Linux, Ruby on Rails, Scala, Android, iOS, NodeJS, SAAS and PAAS Solutions, JMeter, iOS, Android, Oracle Enterprise Manager, Jenkins, Maven, Gradle, Python, Shell Script

## **WISELIFE (WISEBASE) client ING (US)**

The Workflow Engine Subsystem is implemented using Oracle SOA product. In order for Oracle SOA to manage the workflow, work item data in the work queues will need to be temporarily stored in Oracle SOA while the work items are in process. This data is permanently stored in the application database in DB2. The Work Management Subsystem will programmatically interface with Oracle SOA via Oracle SOA Server Object interface. The Enterprise Application Interface (EAI) Web Services component of Oracle SOA is used to call our web services for automatic, server side processing steps such as automatic matching feature.

### **Roles and responsibilities**

* Providing technical leadership to engineers both directly and indirectly through appropriate guidance, mentoring and direction and take full responsibility for the technology deployed and developed.
* Provided requirement understanding in investment banking, credit risk and functional documentation
* Providing Design Solutions, POCs and Problem fixing across multiple other projects.
* Created MongoDB Data models, primary queries.
* Understand the Hadoop case studies and POCs.
* Provided analysis on Use Cases for Big Data in Hadoop.
* Setting up Hadoop Environment and documentation.
* Storing Data in Hadoop Distributed File System
* Provide technical support and troubleshoot customer issues and bugs.

### **Environment**: Core Java, partial TDD, Multithread, UML, Spring MVC, MongoDB, Hibernate3.5, SOA, SOAP Web Services, JQuery, Big Data, Hadoop-2.2, Cassandra, Design patterns, Oracle BPM, EJB 3.0, XML, DB2, SOA, ESB, BPM, EAI, BRMS, SOA Governance, SOA Security, Cloud Foundry, AWS Cloud Stack, Apache Camel 2.1, ActiveMQ 4.5, Jboss4.1, Hybris, SaaS, PaaS implementations, WebLogic 8.1, Unix, Linux, Android, iOS, Eclipse Memory Analyzer, VisualVM, JConsole, Jenkins, Maven, Gradle, Python, Shell Script.

## **NGUI Kronos**

It started off with a simple idea: there had to be an easier way to record employee time transactions. And then one innovation led to another and that idea grew into something we now call workforce management. And implementing the HR management, Recruitment tools, and employee pay role, task tracker, project management, time keeping services as pluggable and isolated tools.

### **Roles and Responsibilities:**

* Take the functional and non-functional requirements and propose solution that will be able to meet the requirements.
* Effectively track the integration points in the design to ensure there are no omissions.
* Work with the design team to realize the architecture by providing suggestions on design options.
* Review and validate the design decisions taken by the design teams.
* Work with client architecture teams in- defining overall solution architecture - procure the enterprise standards that need to be followed - validate the non-functional requirements.
* Present the architecture and design to necessary stakeholders as required.
* Control and guiding scrum principles.

### **Environment**: Flex 4.1, DDD, Core Java, UML, Hibernate3.5, Hyrbis B2C, Cloud (SAAS), Web Services with Axis, JQuery, JMS, Design patterns, MongoDB, XML, AWS components- EC2, SAAS, RDS, S3, Simple DB, SQS, SNS, SES, CloudWatch, CloudFront, load balancing, Direct Connect, Google App Engine, SaaS, IaaS, Big Data, Hadoop-2.1, SQL server, Jboss4.1, WAS 5.2.1, Unix, Linux, VisualVM, JConsole, Jenkins, Maven, Shell Script.

## **Exception Monitoring client Citi group**

The Exception Monitoring system will enable a consolidated global view on exceptions and will automate the exceptions’ processing on investment, loan and mortgage banking services. The Exception Monitoring System will be developed as a part of the CRI framework to facilitate linkage to credit information and user authentication. CRI entitlements will be enhanced to support the CRMA, EM Business Administrator, and EM Business Rules Administrator roles. The system will create a link to the Facility Analyzer system to receive additional information about a customer and facilities.

### **Responsibilities**

* Providing technical leadership to engineers both directly and indirectly through appropriate guidance, mentoring and direction and take full responsibility for the technology deployed and developed.
* The provision of appropriate data to support the development of detailed work breakdown structures and associated plans. Commit to the delivery against these plans and prioritize and manage the activities of engineers within the team in line with the agreed work.
* Preparing and proofing of Investment and commercial banking functional documents.
* Monitoring and reviewing the progress associated with agreed work activities and provide timely and regular feedback on status, including risks and mitigation activities to the relevant Managers

### **Environment**: Core Java, Multi threads, UML, Spring, Struts, JQuery, Hibernate3.5, SOA, SOAP Web Services, Flex 3, JMS, Design patterns, EJB 3.0, XML, DB2, PostgresSQL, Jboss4.1, WAS 5.2.1,Unix, Linux, VisualVM, JConsole

## **eBBS (electronic Branch Banking System)**

eBBS (electronic Branch Banking System) is a Core Banking product. It supports both Consumer and Wholesale Banking. This is a dynamic, flexible and highly user-friendly product. It is developed on J2EE and is capable of working on any JDBC Compliant database. It incorporates LDAP User Authentication and supports XML / MQ Gateway. The core banking functionality developed in eBBS is dynamic and flexible enough to suit any country’s specific requirement. On the Investment Banking activities are Front offices functionalities are Investment Advice, Sales and trading, Research on prospects, "buy" or "sell" ratings.

 Back office functionalities are Data-checking trades that have been conducted, ensuring that they are not erroneous, miss transfer posting, risk analysis, credit risk, security, Technology refers support, automation of problem identification and daily regular activities.

### **Responsibilities**

* Customer satisfaction by rapid, continuous delivery of useful software.
* Working software is delivered frequently (weeks rather than months).
* Close, daily, cooperation between business people and developers.
* Continuous attention to technical excellence and good design.
* Responsible for bug fixing for several modules, including Interest Rate Derivatives, Credit Derivatives, Equity Derivatives.
* Regular adaptation to changing circumstances.
* Assess feasibility of business needs.
* Recommend business process changed to the customer.
* Gather, document and analyze requirements.
* Define scope and boundaries of the system.

### **Environment**: Core Java, SOA, REST and SOAP Web Services, TDD, Agile, Struts 2.0, Servlets, JSP, Spring 2.5, Hibernate 3.0,UML, ESB, BPM, EAI, BRMS, SOA Governance, SOA Security, Session Beans, BMP entity beans, JMS, Design patterns, EJB 2.0, Flex 3, XML, Axis DB2, SYBASE, JBoss 4, WAS 5.2.1, Unix, Linux, SaaS, Oracle Fusion, JProfiler, Jenkins, Maven, Shell Script.

## **MATRIX, SIEMENS ENERGY SYSTEM LTD. (United Utilities Water, U.K)**

MATRIX (Meter Administration, Tracking, Reading, Inspection/ Interrogation system) is used by for supporting its activities for various utility clients. In specific for the current client United Utilities Water (U.K),MATRIX implementation is basically to manage water meter readings, meter maintenance , scheduling the field engineers for their respective post codes and generating bills for the customers. Through MATRIX, users will be able to manage meter reading and property management portfolio (handling empty, derelict/ demolished properties and maintaining up-to-date customer and address details). Based on the requests of customers, system generates jobs to be completed by field engineers. Jobs can be ‘Cyclic‘ and ‘Off cyclic’ based on the frequency of the task to be done. The generated jobs are scheduled to different field engineers.

### **Responsibilities**

* Picks up new technologies with ease, solves complex technical problems and multitasks between different projects.
* Develops detailed designs with Software Engineer and Screen Designer.
* Assists with design of architectural patterns, design of interfaces and design of Web service.
* Identifies reusable components.
* Develops complex modules of the product.

### **Development Environment:** Core Java, Struts 2.0, TDD, Hibernate3.0, UML2, Agile Scrum, Agile PLM, Multi-Threading, Design Patterns, EJB- Session Been, JMS, Hibernate, Java Restful Web Services, Flex 2.5, Ant, Jboss4 and WebSphere Application Server V6.1, Oracle 9i, SYBACE, Eclipse 3.2, Unix, Linux, Jenkins, Maven, Shell Script..

# **Personal Details**:

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