

SOLUTION / APPLICATION ARCHITECT | SR. TECHNICAL / DELIVERY MANAGER

Dynamic Solution Architecture and Technology leader with hands-on experience in architecture, management and implementation of scalable web applications, platforms and apis development in public and private Cloud, SaaS using CI/CD. Open for a contract or full-time position.

CORE EXPERTISE

- **12 Years in Architecture, 6 Years in Delivery Management and 4 Years in Technical Management**
- **Service Resilience Engineering (SRE), SLA, SLI/SLO**
- Software Methodologies (Agile, SAFe, SDL and, XP)
- **Strong in e-Commerce, TELCO, Product Development**
- Vendor Management (Proposals, RFP, Solution Evaluation)
- Web solutions, API development and and e-commerce platform implementations
- Cloud and Systems Integrations
- Graph Database System, Gremlin Graph Traversal Language
- IT Cloud Transformation and Rationalization
- Digital Six Sigma (Green Belt Candidate)

SKILLS SUMMARY**Languages and Framework**

- AWS, AWS APIs, Google Apps and APIs
- JavaScript, JSON, Angular 4, Node.js, JQuery
- API Development, Micro Services, REST, Web Services
- .NET, Core Java, J2EE, EJB, JSP, Servlets
- XML API, JAXB, XSLT, DOM
- HTML 5, CSS, PHP, CodeIgniter and Cold Fusion
- Struts, Spring, Hibernate, JDBC
- Tealeaf, Adobe Analytics DTM,
- Adobe CQ 5, Adobe AEM, WordPress, Joomla
- Unit Testing with Chai, Mocha and SonarQube

Software, Services and Operating Systems

- Amazon Neptune, Redis, Elastic Search
- Cassandra, Couchbase, Gremlin, MySQL, MongoDB, Oracle, Oracle/Siebel CRM
- Grafana, Kibana, Graphite, ElasticSearch, CloudWatch
- Apache, Web Logic, ATG
- UNIX, Linux, Windows, VMware
- jTest, DDTs, Rational ClearQuest
- SVN, GIT, Clear Case and VSF
- IBM ALM, Rational CLM, HP ALM QC, JIRA, Vantive
- Crystal Reports, Hyperion, SSRS, OBIEE
- JBuilder, Eclipse, MS Visual Studio, XMLSpy and Toad

PROFESSIONAL EXPERIENCE**Siemens PLM Software as Principal Software Engineer****Apr 2018 – Jan 2020**

Joined Siemens PLM Software Research and Innovation team tasked to design and build next generation Teamcenter Cloud platform. Had the opportunity to participate in dynamic, fast paced team of Architects and development teams to conceptualize, design and build a set of microservices to build foundation of Teamcenter Cloud platform in lean agile execution model leveraging full CI/CD. Some of the key contributions included:

- Established SLA goals and designed SLA dashboards for different Lifecycle Cloud platform APIs in support of Service Resilience Engineering (SRE) for continuous improvement as foundational principle.
- Modeled and designed Grafana and Kibana dashboards for Microservices and applications for ongoing visibility into the performance, SLIs and SLO.
- Investigated different cloud based database systems that can support abstract and dynamic data models with extremely fast response time that is cloud friendly and scalable to meet diverse customer types.
- Designed and implemented proof of concept to explore Graph Database systems capabilities using Amazon Neptune Graph Database. Modeled and mapped existing NoSQL microservices data model to Amazon Neptune Graph Database Service.
- As an Architect, supported the development of custom data access library as wrapper to expose usage of Gremlin Traversal language steps to provide CRUD operations on Amazon Neptune Service that could support multi-tenant abstract component model using custom JSON schema for different data domains.
- Designed new Teamcenter cloud platform microservice in using .NET technology for abstract component model lifecycle using Amazon Neptune Graph Database. Implemented several APIs to support CRUD operations on component models.
- Optimized Gremlin queries for fast response time in microservice implementation.

- Performed activities of full development life cycle for microservice development from API specs to API implementation leveraging Lifecycle Cloud foundation services in Amazon Cloud infrastructure with full use of CI/CD to support development, testing and deployment of microservices.
- Member of winning team for USA wide innovation hackathon in 2019.

Land's End (Dodgeville, WI) as Enterprise / Technical Architect Consultant

Jan 2018 – Apr 2018

As BlessTech / blueStoneRecruiting consultant assigned to Land's End and performing Enterprise / Solution Architect role.

Leading solution to migrate Land's End payment processor to Chase PaymentTech for USA and European markets. Analyzing impacted applications, integrations and establishing end to end reusable solution architecture for consumer facing and enterprise business applications. Assessed security solution for Land's End POS application for customer service application.

Recommended use of OAuth 2 based application and REST API security by leveraging existing PING Identity and LDAP user directory for authentication / authorization.

AT&T (Richardson, TX) as Application / Technical Architect Consultant

Jun 2014 – Oct 2017

As Architect consultant assigned to AT&T Digital Experience Technology Services (DETS) organization to lead architecture for Online Sales application. Lead several projects for online sales of Internet, DTV, U-verse TV, Home Phone, Accessories and other digital products to consumers in both agile and waterfall development life cycle.

- Represented as DETS technical delivery SME and collaborated with Enterprise Architects, business and senior leadership team to arrive at end to end solution for products and services offered via att.com/shop for Residential Customers.
- Assessed and recommended solution alternatives, dependency tracking and provide solution recommendations. Created proof of concept for new features or technologies for adoption by development team.
- Lead the implementation of IT standards tools and technologies by the solution delivery team as part of project solution.
- Developed the high-level solution architecture, with technologies, integrations, dependencies and framework.
- Lead project scope, use case, features set for an iteration/project, business requirements/use cases, technical analysis, user experience, development and end to end life cycle of Online Sales projects following agile and waterfall methodologies.
- Partnered with AT&T DETS Platform Engineering team to arrive at high level Solution for futuristic Integrated Digital Platform (IDP) for Online Sales with goal to consolidate several different Sales flow to a single Online flow serving multiple customer types (Consumer, Agent, Retail, etc.). The solution included development of several Micro Services leveraging Node.js middleware and deployed in AJSC (AT&T Java Services Container – a Docker / Kubernetes supporting CI/CD). Micro Services were designed to work as independent functional components, with share nothing architecture leveraging distributed common online session cache (COSC), making them reusable, rapidly deployable middle tier for Online Sales and Services applications. Front end application leveraged Angular 4 with Adobe Experience Manager sourced content, templates with responsive experience pages, components, tags for UI/UX and invoking Micro Services which integrated with external systems via REST or SOAP based Web Services APIs. IDP and existing Sales flows are linked with the seamless transfer of flow for different products and services offered in respective flows with customer context fully preserved between the flows for smooth user experience and leverage consolidated cart and checkout (CCC) functionality to submit Online Orders.
- COSC and COSC were deployed in Apache Karaf containers with OSGi / Docker configured App exposing Hazelcast / Cassandra based components through APIs to share between clients.
- Designed and integrated AEM/CQ Components, Page Templates, Workflows and Custom widgets leveraging Adobe Web Content Management, Digital Asset Management, Tagging Management, Campaigning Management, etc. Integrated Live Chat with Online Shopping experience. Develop and maintain UI/UX flows and templates for Web / Mobile experience.
- Lead feature enhancement of ATG based e-commerce application leveraging custom Catalog, Promotions, Pricing, Cart and Ordering for system functionality and SOAP / REST based services integration with multiple external systems.
- Core technologies used were Angular JS, node.js, ATG 9, Adobe CQ5/AEM, Jersey REST and Web Services.
- Fundamental mastery of the AWS cloud computing platform, and its many dimensions of scalability - including but not limited to: VPC (Virtual Private Cloud), EC2, load-balancing with ELB, messaging with SQS (and scalable non-AWS alternatives), autoscaling architectures, using EBS under high I/O requirements, custom monitoring metrics/analysis/alerts via CloudWatch and the AWS API.

TracFone (Miami, FL) as IT Delivery Manager Consultant

Nov 2012 - April, 2014

As Team Concepts consultant at TracFone, performed Project and Solution Management of IT projects to drive solutions for business needs, with strong technical understanding of the architecture and software components to manage deliverable scope, requirements, budget, time, and resources. Lead end to end solution and delivery for several projects having multi-organizational, internal/vendor integrated solutions for WEB, Mobile WEB and native Android OS applications. Lead design, development and delivery of REST and SOAP APIs for internal and external integrations using SAML and OAuth security protocol.

Technologies used in these projects were Java, J2EE, Oracle SOA suite, Oracle Enterprise Service Bus (ESB) middle tier for SOAP and Jersey REST services with IBM Data Power as proxy and enforcement server.

Motorola Mobility LLC - a Google, Inc. company as Enterprise / Technical Architect

Aug 2007 –Aug 2012

Joined Architecture team and performed cross domain enterprise projects applications, systems and integrations support:

- Represented Enterprise Architect team to collaborate and arrive at IT standards, technology strategy and application/infrastructure/systems roadmaps to promote reuse and reduce IT costs while increasing business agility.
- Led numerous architecture reviews/assessments (for in-house and 3rd party cloud applications/platforms, IaaS, PaaS and SaaS) to validate the architecture/design, identify violations of commonly accepted best practices. Assist in technology selections/ justification, and troubleshooting performance and scalability related issues.
- Created inventory of all IT applications, their capabilities, their integrations and software / hardware for consolidation and visualization analysis. Modeled major platform applications and their integration in **IBM/Telelogic System Architect** tool.
- Identified and executed transformation of physical servers to VMWare virtual servers (**P2V transformation**) resulting in **10x cost reduction** by reducing physical servers, storage and related infrastructure cost.
- As an **application** and **system architect** for **Motorola NA e-Commerce store**, led transformation from in-house hosted Sterling/Comergent store to Amazon web store resulting cost saving of 12 million/year. Designed integrations with Motorola ERP and Distribution system using SOA/Web Services in Java J2EE technology. Prepared non-functional RFP and executed Vendor Evaluation Matrix (VEM) for NA and China e-commerce (motostore.com.cn) stores.
- Designed and developed GRP (Generic Registration Platform) using Java, J2EE and Spring framework for end users registration with persistence in LDAP & SiteMinder to support Single Sign-On.
- Lead convergence of all regional product and portfolio management and reporting to GPPD (Global Product and Portfolio Database) using.NET/ASP application with SQL Server.
- Performed security review of e-Commerce, Oracle CRM and several other applications containing user's personal profiles, confidential proprietary data, and users' financial information for. SOX and PCI compliance.
- Designed, implemented and tested disaster recovery and high availability of critical systems e.g. e-Commerce platforms.

Motorola Mobility LLC (Plantation, FL) as e-Commerce IT Manager

May 2002 – Jul 2007

Performed Technical Manager and managed cross-functional distributed teams to deliver enterprise solution using Java/J2EE/Web-based technologies with integration to Oracle CRM/e-Business Suite. Some of the key projects include:

- **Nextel iDEN Update (idenupdate.com):** Managed a distributed team of 20+ resources of different disciplines in agile type development of iDEN Digital Item and accessory e-commerce store hosted by Digital River.
- **Credit Card Authorization for Motorola e-Commerce Store:** Lead design and implementation of Chase Paymentech API from external Credit Card Processor system for Orders from iDEN Store.
- **Web Content Management / Teamsite:** Lead design and development of various UI/UX design, Data Capture Templates DCT's and Presentation Templates with XSL Transformation.
- **Over The Air Software Update (OTA-SU) Admin Dashboard:** Design and development of OTA-SU Admin workflow system for automation of software, firmware over-over-the-air for iDEN handsets.
- **Digital Item Management Tool:** Managed team of up to 10 developers in SDLC to digital items life cycle and process flow for Motorola iDEN handsets to be loaded OTA and as pre-loads on handsets. J2EE, Oracle struts-based leveraging with web services for thin web application as well as Java Applet.
- **iDEN e-Commerce Store - Handset Upgrade Project:** Lead team to implement Handset Upgrades with online rebate submission and tracking that included integration with FedEx APIs for pickup scheduling, label printing.

Paradigm Software Technologies, New York, NY

June 2000 – May 2002

As a **Sr. Software Developer/Technical Consultant** was responsible for design and development of eService Manager based on MVC pattern using EJB/JSP/Servlets, SQL Server 7, XML/XSL, Web Logic 5.1, UML, Java Script and JRun 3.

AT&T Labs, Middletown, NJ

June 1999 – May 2000

As a Mastech – iGate **Sr. Consultant**, delivered requirements, design and development and lead QA/performance test of MACD - Move Add, Change and Disco-Return orders. Application used Model-View framework, Java, JDBC API and Oracle Database.

Multiple Companies, Pakistan

Jan 1997 – May 1999

Worked with multiple companies for US customers projects using Java, C++, JDBC, and Java Reflection API and ColdFusion.

Education:

Master of Science (MS), Computer Sciences - 2007

Bachelor of Science (BS), Computer Sciences - 1996