**SUGUNA D**

**Minneapolis, MN**

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**Objective:** Manage, design and implement composite application and deliver software as a service and build rich user experience clients.

Mentor and lead developers to advance their skills; lead a team in order to achieve efficiency, productivity and quality gains in design, development, deployment, and support.

Create industry specific solutions, using technology, to enhance a company's business processes, and create a solution set using an implementation for a specific technology to accomplish a business goal.

**SUMMARY:**

* Software Architect with **18+** years of experience in object-oriented analysis, design and development of web, enterprise, and client/server applications
* Excellent Architectural, analytical, and problem-solving skills
* Proficient in root cause analysis and solution identification for emerging risks.
* Well versed in managerial responsibilities like hiring talented team members, providing ongoing coaching and feedback, recognizing and developing team members, and also completing daily management tasks.
* Trained in waterfall, Agile/Scrum methodology to complete the task and project
* Experience in Object oriented analysis and design using UML using rational rose and a fair understanding of component-based architecture and database systems
* Proactively implementing and proposing solutions for critical problems
* Experience in conducting code reviews and evaluating code metrics
* Experience in requirement gathering and writing Functional spec, Technical documents and documents related to project
* Hands on experience in Change Management process
* Experience in implementing quality procedures and Six sigma methodologies in executing projects from inception to completion
* Strong mentor and coach, skilled in inspiring confidence and leading by example
* Good communication skills and team leading capabilities
* Have Good exposure to Onsite-offshore coordination
* Involved in complete life cycle of the project and experience in interacting with end users right from collecting requirements to production support
* Positive attitude towards superiors, peers, subordinates
* Quick learner and performer both in team and independent job environments

**EDUCATION:**

* Bachelor’s Degree from Andhra University
* Post-Graduation diploma in Computer Applications

**CERTIFICATIONS:**

* Certified SAFe 4 Practitioner
* AWS solution architect-associate certificate from Simplylearn
* Data scientist certificate from simplylearn
* Java 7 Certified Developer
* Aspen University Project management Certificate
* Certified SQL and Pl/SQL Developer.
* Certified Novel Administrator
* Diploma in Oracle & Visual Basic from comp-U -Teach Board
* Training in Web technologies, Java.
* Certified TCP/IP Administrator

**PROFESSIONAL EXPERIENCE:**

**Client – US Bank, Minneapolis, MN Nov 2019 to Till Date**

**Job Tittle: Solution Architect / Manager**

**Employer: Presidency solutions**

**Project:** Advice for Everyone (Goals Platform)

**Description:** The opportunity with Advice for Everyone is to empower people to live their best life through collaborative, purposeful guidance that results in financial confidence and goal achievement for customers, meaningful centrality and additional revenue for U.S. Bank. Currently a coach-centric pilot in branches is demonstrating the value of Goals but delivering a Goals experience to exponentially more customers requires this digital, scalable solution. This digital Goals offering will be initially be developed as part of the mobile app, for the single Goal “Save or Invest for Something Big” then later expanded to all digital channels and other Goals. Our approach is differentiated from competition by the application of behavioral science to improve customers’ financial behaviors and habits. In addition, it is expected that new capabilities developed to support the Goals experience will eventually be leveraged to personalize marketing and customer experience in multiple areas of the bank.

* Managed teams ranging from 10 to 25 direct employees, including Scrum Masters, Business Analysts, Architects, Developers, and Testers, and planning the sprints with the DEV team and managed teams through development, testing and deployments.
* Actively tracked internal and external project risks where each risk was graded for probability and impact. Implemented communication plan to escalated risks as appropriate.
* Worked closely to consolidate the requirement and understanding with the requirements with business
* Perform data migration from on premises environments into AWS.
* Lead development team in designing/migrating AWS cloud based solutions
* Designed and developed ERA models to provide personalized goals experience to customer.
* Worked with business to consolidating and understanding the requirements and planned the sprints with the DEV team to accomplish those requirements.
* Managed a team through development, testing, deployments and defects fixing.
* Designed and developed Experience APIs, Domain API’s and Atomic API’s.
* Designed and developed APIGEE gateway proxies for all the APIs that will be accessed by the Mobile / OLB.
* Implemented integration with TransmitSecurity to setup OAuth token on authentication.
* Designed and developed KAFKA streams for goals creation and updates in real time between multiple systems. Multiple Kafka topics are created to support various functions.
* Designed and Developed Microservice API’s in Spring Boot.
* Worked with Kubernetes admins to deploy microservices in a declarative way using YAML configuration file including replicas and scaling.
* Designed Cassandra data Model to store goal schema for getting behavioral information real time.
* Implemented AMP third party vendor’s Java based stateless engine that makes calls to Millman Stochastic models to run simulations and scenario modeling. Integration points available – Spark App exposes Sales Force Data and workflow APIs. Spark Engine APIs will not be exposed in MVP 2020.
* Designed data model designs for Cassandra and Hadoop.
* Educated developers on how to commit their work and how can they make use of the CI/CD pipelines that are in place. Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Implemented Java based stateless engine that makes calls to Millman Stochastic models to run simulations and scenario modeling. Integration points available – Spark App exposes Sales Force Data and workflow APIs. Spark Engine APIs will not be exposed in MVP 2020.
* Involved in data model designs for Cassandra and Hadoop.

**Environment:** Java 1.8, Spring 3, Spring boot, Spring Batch , Spark , Hibernate, AWS Cloud, RAD, SCM, ClearCase, Sybase, Oracle, MS Access, DB2,Confluence, ,Bamboo, SVN, , Cucumber, Gherkins , Confluence ,JIRA, SOAP, REST, KAFKA,MONGODB,HADOOP Big data , CASSANDRA, Microservices API’s , JENKINS, salesforce FSC, Fortify , SonarQ, black duck.

**Client – PHEAA, Harrisburg, PA July 2017 to Nov 2019**

**Job Title: Application Integration Architect / Manager**

**Employer: HCL Global INC**

**Project:** Modernization of the Communication Management and Delivery system

**Description:** Converted old legacy compass system and established and implemented an efficient correspondence management and development workflow process.  This portion of the project will focus on the collaboration and workflow necessary to prepare (create or update) correspondence content and specifications for consumption by the Communications Delivery Team. Develop and implement an audit trail, meaning when new or updated templates are released to production, automatically create correspondence output examples with dummy data and store them in a repository for audit trail. Integration with SmartComm vendor project for template generation.

**Responsibilities:**

* Gather detailed business requirements and use cases and translate technical specifications into product requirements.
* Formulated strategic plans for component development to sustain future project objectives.
* Created team strategies and establish project scopes of work; communicate project deliverable timeframes and benchmarks to clients.
* Lead multiple projects simultaneously and met the deliverables.
* Evaluation/design/development/deployment of additional technologies and automation for managed services on SmartComm cloud
* Support the business development lifecycle (Business Development, Capture, Solution Architect next migration path, cost reporting and impartments in SmartComm cloud.
* Analyzed and defined client’s business strategy and determine system architecture requirements to achieve business goals.
* Implemented smartcomm vendor product for communication management, involved in vendor sign off.
* Implemented smartcomm draft editor, smartcomm microservice API’s and greatly involved in smartcomm template development and implemented batch processing
* Designed and developed **Microservices/Docker.**
* **Experienced in developing swagger documents for microservices.**
* Provided deep background knowledge of applications to business analysts as subject matter expert
* Delivered updated status, presented blocking issues, and provided timelines to project managers
* Coordinated discussions between many different technical teams to design and implement required functionality
* Worked to establish medium-to-large data pipelines, implementing, testing and deploying and identifying Kafka topics and designed streaming services to sync multiple data sources using Kafka.
* Educate developers on how to commit their work and how can they make use of the CI/CD pipelines that are in place.
* Designed and implemented a distributed event notification system using MQ Series and JMS.
* Involved in architectural improvements, design and integration solutions, and formulate methodologies to optimize object-oriented software and database development.
* Planned, and executed detailed service upgrade plan and procedures to ensure seamless transition and minimum customer service interruptions.
* Organized end-user training and problem analysis for server, desktop, and IT infrastructure work.
* Diagnose and repair UNIX and Windows processing errors and implement solutions to improve efficiency.
* Implemented new server, middleware, and database standards.

**Environment:** Java 1.8, Spring 3, Spring Batch, Hibernate RAD, SCM, ClearCase, Sybase, Oracle, MS Access, compass, DB2,Confluence, ,Bamboo, SVN, SmartComm draft Editor, SmartComm cloud, Cucumber, Gherkins , Confluence ,JIRA, SOAP, REST, KAFKA,MANGODB,JENKINS

**Client – BCBSN, Detroit, MI Jan 2015 to July 2017**

**Job Title: Architect / Tech Lead**

**Employer: HCL Global INC**

**Project:** NHCR Enrollment <http://blueslink.bcbsm.com/>

**Description:** The Patient Protection and Affordable Care Act (PPACA) passed by Government require all Health insurance companies in United States to comply with Government norms on policy writing. For BCN, the Marketplace will facilitate enrollment and purchase of QHP by qualified Individual (IBU)/ Small Business Health Options Program (SHOP) for the Plans and products offered by BCN. The Marketplace collects and sends the member enrollment (834) and billing information to BCN. BCN is expected to make necessary changes to accommodate the Marketplace inbound/outbound data. Consolidated all inbound/outbound processes to provide a suitable, sustainable solution.

**Responsibilities:**

* Lead a team of 8 developers, conducting code walk through, code reviews, level 2 & level 3 supports.
* Coordinated the selection and the implementation of suitable technologies and infrastructure for the new applications including Identity Management and Single Sign-On.
* Designed the J2EE back-end infrastructure that collects, stores and distributes clients' information amongst the different regions that the organization services.
* Created detailed architecture and design documents for the Soft-Launch.
* Using RAD development, analyzed and designed solutions for continuous flow of client features requests, and led development team in implementing solutions.
* Implemented software design
* Developed the unit tests using JUnit.
* Oversaw product testing requirements to obtain customer certification for field deployment.
* Managed the coordination between customer, engineering various field teams and 3rd party venders during major deployment activities.
* Guided and directed onshore/offshore project teams.
* Experience with business analyst functions (business requirements, test planning, and test execution).
* Developed new procedures and processes to modify existing system to ensure stability, reproducibility of the upgrade process.
* Used spring 3 MVC architecture for application development
* Involved in developing the stored procedures and wrote complex queries.
* ORM for Data access layer.

**Environment:** Java 1.7, Spring 3, Spring Batch, Hibernate RAD, SCM, ClearCase, Sybase, Oracle, MS Access, VITRIA, FACETS.SOAP, REST, JENKINS

**Employer- TIAA-CREF, Charlotte, NC Oct-2013 to Jan 2015**

**Job Title: Solution Architect**

**Employer: HCL Global INC**

**Project:** Retirement at work [www.tiaa-cref.org](http://www.tiaa-cref.org)

**Description:** [Retirement @Work](mailto:Retirement@Work) is a new product that provides a convenient way for users to submit and review their online salary deferrals. The Retirement @ Work site supports the multi-vendor coordinator (MVC) model where clients engage in a full suite of multi-vendor services, including managing incoming contributions, splitting contributions by vendor and disbursing contributions to the vendors.

The MVC model is a vendor agnostic third-party administration model; there is no reference to the TIAA-CREF brand. All screens will be branded with the “Retirement @Work” logo and the client’s logo(s).

**Responsibilities:**

* Lead a team of 9 developers, conducting code walk through, code reviews, level 2 & level 3 supports.
* Main responsibility is to co-ordinate between business users and development team to foresee the requirements are fulfilled in proper way.
* Oversaw product testing requirements to obtain customer certification for field deployment.
* Managed the coordination between customer, engineering various field teams and 3rd party venders during major deployment activities.
* Guided and directed onshore/offshore project teams.
* Advised development team on design options in line with enterprise infrastructure and project life cycle.
* Engaged as an integrated part of project team and championed project from inception to design/development.
* Worked with business to translate business needs into functional requirements and generated preliminary solutions in conjunction with business/infrastructure/development representatives.
* Designed high level/detailed architecturally significant components based on Aetna internal standards and presented and articulated proposed solutions to architecture review group.
* Put together architectural artifacts to form a repository representing point-of-time and finalized architectural conceptual design.
* Worked with multiple parties to resolve time/budget constraints and resource contention issues.
* Communicated with infrastructure/fellow architects/enterprise framework group to ensure best practices and address scalability/reusability issues.

**Environment:** Spring tool Suit for development, AngularJS, weblogic server 11gR1, Spring 3.0, Hibernate 3.2, Asset manager for resource management, rational team concert for version controller, oracle 11g database, splunk for debugging the server data logs, Fatwire for KCMS

**Employer- Mayo, Rochester, MN Dec 2009 – OCT 2013**

**Job Title: Sr Developer/Solution Architect**

**Project:** MayoExpert – <http://www.mayoweb.mayo.edu/>

**Description**: Mayo Expert, formerly known as the Enterprise Learning System, is an online software system that facilitates learning, optimizes patient care, and assures the highest levels of quality and safety. As part of MayoExpert I worked on the following projects.

**Roles and Responsibilities:**

* Prepared Design document & Requirement Specification documents.
* Designed and developed JAX-RPC, Rest web services for the common functionality in MayoExpert
* Designed and developed web service clients for MayoExpert applications
* Developed web pages using struts 2.0, spring 3.
* Caching implemented using spring caching technology.
* Worked with WebSphere, F5 teams collaboratively to deploy internal application to external.
* Developed different web pages with JSP, AngularJS, Velocity (templating), and Ajax, JQuery, HTML, Java script and CSS combination.
* Designed several java objects using the different design patterns such as Factory, DAO etc.
* Developed several data driven logical pages with AJAX and JQuery.
* Authentication is done through Active Directory (LDAP) and authorization is done through Database.
* Configured Single Sign On (SSO) on WebSphere local server on all our applications.
* Performed on Call Support.
* Followed iterative development, daily Scrum as part of agile methodologies.
* Implemented GOOGLE search, Used GSA JAPI’s GSAQueryTerm, GSAClient and GSAQuery classes extensively to get the result data from the XML search result.
* Implemented Federated authentication, authorization using SAML.
* Involved in developing Oracle stored procedures/Hibernate ORM for database access layer.
* Used Quality center to issue and requirements tracking (used clearQuest prior to Quality center)
* Used Version one to write Agile Stories, tasks, test cases, acceptance criteria.
* Used Remedy to create Change Management tickets
* Involved in writing stored procedures, database design and complex sql queries
* Worked with QA team to resolve testing issues
* Used clear case for source code management (Used PVCS prior to clear case)
* Created JUnit test suites and test cases
* Leading a team of 4-5 developers, conducting code walk through, code reviews, level 2 & level 3 support.
* Oversea product testing requirements to obtain customer certification for field deployment.
* Managed the coordination between customer, engineering various field teams and 3rd party venders during major deployment activities.
* Guided and directed onshore/offshore project teams.
* Developed new procedures and processes to modify existing system to ensure stability, reproducibility of the upgrade process.
* Planned, and executed detailed service upgrade plan and procedures to ensure seamless transition and minimum customer service interruptions

**Environment:** JDK1.6, Struts 2.0, Spring 3,Hibernete3.2, AngularJS,JDBC3.0, XML, XSLT, DOM, Java Beans, Java Script, AJAX, CSS, HTML, DHTML, Oracle 11g, Web Sphere Application Server 7, JSON,RAD 7.5.x on AIX , Windows XP, Clear Case, Clear Quest, Quality Center, Remedy, JAX-RPC web services, Spring Rest web services, PVCS.

**Client – New York State Govt, Albany, NY June 2009 – Dec 2009**

**Job Title: Software Consultant**

**Employer: YESDEE Global solutions**

**Project:** SPDS –Statewise Perinatal Data System , State department of health

**Description:** The Statewide Perinatal Data System (SPDS) is the electronic maternal and newborn data collection and analysis system established and maintained by the Department of Health which includes the data elements, organized in modules, which comprise the New York State Certificate of Live Birth for births occurring in New York State and other data elements which relate to maternal and newborn health and care in hospitals and free-standing birthing centers.

**Environment:** JDK (1.5), JSP, Struts 2.0.10, HTML, AJAX, Swing, JavaScript, Web Services, WebLogic Application server 10,EJB 2.0, RAS 7, JMS, J2EE Design Patterns, JUnit, Log4j, XML, Oracle 10g,PL/SQL,SQL, Rational Rose, UML, ClearCase, ClearQuest, Toad

**Client - Mayo, Rochester, MN Oct 2006 – May 2009**

**Job Title: Software Consultant**

**Project:** CRD/WARS – <http://www.mayoweb.mayo.edu/>

**Description:** Mayo Foundation is an internationally renowned medical practice based in Rochester, Minnesota, USA, integrated with hospital facilities and a medical school. Mayo Clinic is the state's second-largest non-profit organization. Mayo organization has a well establish IT department. We are part of the CRD/WARS team in the General Support unit of the Operational Systems section within the Administrative Applications division. We support the Common Repository Database (CRD) and Work Area Reference System (WARS) repositories along with their interfaces, the WARS application and client server applications developed for Mayo’s Facilities Operations and Safety groups. Different intranet and internet applications are developed to provide flexible access of the Common Repository Database (CRD), Work Area Reference System (WARS), and Mayo’s Facilities Operations.

**Environment:** JDK (1.5), JSP, jsf, Hibernate 3.0.4, Spring 2.5, Struts 2.0.10, HTML, AJAX, Swing, JavaScript, Web Services, Web Sphere 6.1, RAD 7,JMS, SOAP, REST,WSDL, UDDI, J2EE Design Patterns, JUnit, Log4j, XML, Sybase Server12.5, Oracle 9i, Rational Rose, UML, PVCS, Power Designer 12,Rapid SQL 7.4.1,Crystal reports XI release 2.

**Client - Citi Group, Long Island City, NY June 2006 to Oct 2006**

**Job Title: Software Consultant**

**Employer: Satyam**

**Project:** Concierge <http://www.citigroup.net>

**Description:** Concierge is a convergence CRM implementation for Citibank, USA. It is being developed to integrate all day-to-day activities of Financial Centers under a single common interface for all legacy systems, thereby eliminating huge overheads on access control, user training and maintenance of different applications. The system typically takes care of Financial Center activities like Consumer/Commercial Account Opening and Customer and Commercial Account servicing. Concierge account opening module covers both consumer and commercial account opening for various Liability [Checking, Saving, Money Market account], Credit, and Brokerage and CPB products in packages requested by customer. It also includes ordering checks, debit cards, issuing temporary ATM cards and printing welcome kit.  Financial center functions such as lock and unlocking the branch, market rates review, and approval are also performed. This is a typical customer service application the hits will be in millions per day.

**Environment:** JDK (1.4), JSP, jsf, Struts 2.0, J2EE FRAME WORK, JDBC 2.0, Java Servlets, JAVASCRIPT DOM, EJB’s, JMS, ORACLE 8i,SQL Server, PL/SQL, WebLogic 8.1, changeman, mercury Quality Center 8.2 SP1, Db2, oracle 9.i,Windows NT V4.0, EDIT PLUS, UnIX, IE 6.0, Visio 2003.

**Client - FedEx, Memphis, TN Nov 2005 to Mar 2006**

**Job Title: Software Consultant**

**Employer: Ciber INC**

**Project:** Pioneer/Monitor Development [**http://www.FedEx.com/**](http://www.FedEx.com/)

**Description:** Pioneer system” offer customer’s incentives to implement technology into their business operations. This promotes and stimulates business for FedEx. Once the management approves the techAward the user will be monitored through Monitor System. These two systems are developed using J2ee technologies particularly using EJB’s, Jsp’s and oracle Data Base for Monitors and Sybase for Pioneer.

**Environment:** JDK (1.4), JSP, jsf, J2EE FRAME WORK, JDBC 2.0, Java Servlets, JAVASCRIPT DOM, EJB’s, Oracle 8I, PL/SQL, WebLogic 8.1, Jbuilder 2005, subversion 1.2, mercury Quality Center 8.2 SP1, SYBASE, Windows NT V4.0, EDIT PLUS, UnIX, IE 6.0.

**Client - First Tennessee Bank, Memphis, TN Aug 2002-Oct 2005**

**Job Title: Software Consultant**

**Employer: Ciber INC**

**Project:** Bravo (3R-project) [**http://www.firsttennessee.com**](http://www.firsttennessee.com)

**Description:** Bravo is the core project for user’s interaction for the entire bank operations. First Tennessee Bank tellers use this J2EE and browser-based system. The current release of the 3r Evolution multi-channel solution implements the J2EE web application implementation logic for presentation tier. The system is used to setup and to maintain the customer data and account data. The Client Delivery Channel builds the input put data in the form of xml and sends to the appropriate services component to satisfy the client’s request. The Transaction Broker is responsible for ensuring that a valid session key has been applied, identifying and instantiating the participant and invoking the execute method on that participant. The base 3r Evolution CRM hub is Workflow and Web services enabled. Other transactional components utilize access to Oracle database. I have worked on design, development of Middle office access infrastructure, implementation of Q&A infrastructure and domain procedures for the new customer and account setups (Ex: DDA, CDA, IRA, CC, Check Order) and in developing struts framework, Taglibs.

**Environment:** JDK (1.4), JSP, STRUTS FRAME WORK, Web services, WORKFLOW, xml, XSL,EJB’s, JDBC 2.0, Java Servlets, JAVASCRIPT DOM, ORACLE 8i, PL/SQL, WEBSPHERE 5.0, APACHE TOMCAT SERVER, ECLIPSE, Visual source safe V5.0, scarab v1.0, Windows NT V4.0, EDIT PLUS, UnIX, IE 6.0.

Now the Product went to LIVE and all the Tellers of the First Tennessee Bank are using this Application.

**Client - Cutler-Hammer (Eaton Corporation), Pittsburgh, PA Sep 2001-April 2002**

**Job Title: Software Consultant**

Employer: The Boston group

**Project:** Global Vista – Mexico project <http://www.ch.cutler-hammer.com>

**Description:** Global Vista – Mexico project is a phase-II project implemented for Mexican users with new modules

**Environment:** Java1.3, EJB, Servlets, JSP, Struts, JDBC, Swing, Ant, MQSeries5.2.1, XML, XSL, Java Mail, Rational Rose 2000, Oracle8i, SQL, PL/SQL BEA Weblogic 6.0, VisualCafe4.0, Unix, WINDOWS NT/2000, PVCS, Test Director 7.0i, TOAD, HTML, DHTML, JavaScript, Cascade Style Sheets (CSS)

**Client - Cutler-Hammer (Eaton Corporation), Pittsburgh, PA Jan 2001 – Sept2001**

**Job Title: Software Consultant**

[**http://www.ch.cutler-hammer.com**](http://www.ch.cutler-hammer.com)

**Description:** Cutler-Hammer is a leading distributor of semiconductors and several other electrical equipments. Serving customer needs in the most efficient and cost-effective way is a major challenge for a distribution company such as Cutler-Hammer. So, it has been swift to exploit the potential of the latest Internet, e-business and on-line sales technologies to create a major new channel for selling its range of products.

The project is called as Global Vista and its vision is to separate it from the existing Vista application and provide support worldwide. As the name implies, the system is globalizing i.e., application is language specific and country specific.

**Environment:** Java1.3, Servlets, JSP, Struts, JDBC, Swing, Ant, MQSeries5.2.1, XML, XSL, Java Mail, Rational Rose 2000, Oracle8i, SQL, PL/SQL, iPlanet Application Server6.0, VisualCafe4.0, Unix, WINDOWS NT/2000, PVCS, Test Director 7.0i, TOAD, HTML, DHTML, JavaScript, Cascade Style Sheets (CSS)