

SAI SINDHU

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PROFESSIONAL SUMMARY:

- A decent and creative professional with **around 8+years** of experience with complete **Software Development Life Cycle** in both Web based and Enterprise applications including requirement analysis, design, and implementation and testing with priority on **Object Oriented, Java/J2EE and Client Server technologies**.
- Involved in developing applications using **waterfall, Agile** methodologies and **Test First, Test Driven Development** and **Service orientation architecture**.
- Experience in Front - End UI technologies like **HTML5, CSS3, jQuery, JSON, AJAX, Node JS, AngularJS, BackboneJS, Bootstrap, Tag Libraries, and JSTL**.
- Expert in **Core Java** with strong understanding of **Garbage Collector, Collections Framework, Exception Handling Multithreading, Event handling, JDBC, JMS and Generics**.
- Having good knowledge on and implemented functional styles of **java 1.8 Lambda Expressions** and **functional interfaces, parallel Streams**.
- Experienced in developing **SOA** (Service Oriented Architecture) and **J2EE Web Services** based on **RESTful, SOAP, WSDL, JAX-WS, JAXB, JAX-RS** using tools like **Apache Axis**.
- Experience in developing web applications on **MVC** based frameworks like **spring, Spring IOC, Spring Security, Spring Boot, Spring Batch and Spring MVC**.
- Experienced in process, validate, parse, and extract data from **XML** using as **XSL, XSLT, XML schemas, XPath, XForms, XSL-FO** and **parsers like SAX, DOM**.
- Excellent in deploying the applications in **AWS** as **EC2** instances and create snapshots for the data that must be stored in **AWS S3**.
- Utilized **Amazon Web Services (AWS) EC2** to deploy **Docker** containers with both **monolith and Micro-Services** architecture.
- Sound knowledge of **CI/CD** Continuous Integration practices and tools such as **Kubernetes, Jenkins, Docker**.
- Experience in working with messaging systems like **Kafka, Kafka event sourcing**.
- Experience in Server infrastructure development on **AWS Cloud**, extensive usage of, **Elastic Beanstalk, Dynamo DB, S3, Route53, SNS, and SQS**.
- Experience in working with **Data structure and Algorithms** in **Java**.
- Extensive experience on **Oracle, MySQL, MS SQL Server, IBM DB2** and Solid understanding of Database Management System.
- Good understanding of modern **NoSQL** platforms (**Mongo DB and Dynamo DB**).
- Experienced in **JMS** over messaging to exchange the information in more reliable and asynchronous way in enterprise Applications. Used **Apache ActiveMQ** and **Apache Camel** as **JMS** provider.
- Experience on IDEs such as **IntelliJ IDEA, Eclipse, Spring Tool Suite, RAD** and deployment using Application Servers like **Apache Tomcat, BEA WebLogic, Web Sphere, Camel** and **JBOSS**.
- Experience with **Selenium, JUnit, Mockito, and Log4j** in developing test cases and determining application functionality.
- Expertise in developing Middle-Tier components using **Enterprise Java Beans (EJB), JNDI, Hibernate**, and other Remote Components.
- Having good knowledge in maintaining UI using **jQuery, JavaScript, JSP, HTML, CSS** with **JSON, Groovy**.
- Proficient in writing **ANT** and **Maven** for builds and deployments to different environments.
- Experience on **UNIX/LINUX** Shell Scripting and Deployment of Applications in Server.

- Excellent work experience with Version Control Tools such as **VSS, SVN** and **GitHub**.
- Well experienced in using various **AWS** (Amazon Web Services) **IaaS** (Infrastructure as a Service) Components like **EC2** for running applications on virtual machines, **S3** and **Glacier** for storing and long term back up of data, **EBS** for persistent block level storage, **Elastic Cache**, **Dynamo DB**, **SQS** for message queueing, **RDS** for setting relational database in cloud and **Lambda** for server less program functions.
- Good understanding of **Microsoft Azure (SaaS, PaaS, and IaaS)** for building, testing, deploying, and managing applications and services through data centers.

TECHNICAL SKILLS:

Languages	C, C++, core Java, Java1.7/1.8, J2EE, SQL, PL/SQL
J2EE Technologies	Servlets, JDBC, JSP, JSF, JMS, Java Security
Mark-up/XML Technologies	HTML5, CSS3, JavaScript, jQuery, AJAX, AngularJS, NodeJS, CSS, XML, XSD, XSL/XSLT, JSON
Operating Systems	Windows, Sun Solaris, UNIX, Linux
Tools & Framework	Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Boot, JSF, JUnit, SOAP UI, Groovy, ANT, Maven, Jenkins, Apache ActiveMQ, Apache Camel
Web services	SOAP, Restful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Micro Services, AWS (Amazon Web Services)
Web/App Servers	IBM Web Sphere, Apache Tomcat, JBoss EAP, Web Logic Server, Glassfish
CI/CD	Kubernetes, Jenkins, Docker
Databases	SQL, SQL Server 7/2000, MS Access 7.0,
Web Tools/IDE	Eclipse, IntelliJ, Spring Tool Suite (STS), RAD
Front End Technologies	HTML5, CSS3, jQuery, Angular JS, Bootstrap, React JS
Version Control System	Tortoise SVN, CVS, Rational Clear case, GIT
Testing Tools/ Others:	JUnit, Soap UI, Putty, Rational Clear Quest

Work Experience:

Client: OutFront Media, NY

August 2021 - Present

Role: Full Stack Java Developer

Responsibilities:

- Involved in various Software Development Life Cycle (**SDLC**) phases of the project which was modelled using Rational Unified Process (**RUP**).
- Involved designing in web pages using **HTML 5, CSS3, JavaScript, React-Bootstrap, SASS, React.js, Redux, Material-UI**.
- Maintained states in the stores and dispatched the actions using **redux**. Involved in creating REST API's using **Spring Boot, Spring Batch** for scheduling batch Jobs and deployed the apps in **GCP environment**.

- Implemented core business logic using Java8, written Unit Tests in React using Jest Framework and **Mockito Framework** for Java Services.
- The application is built **Micro Service Oriented Architecture** using **MEAN 4+ (MongoDB, Express JS, Angular 4.0/6.0 and Node.js)** stack and developed **Single Page Applications (SPA)**.
- Designed and developed efficient user Interaction screens using **HTML5, CSS3-SASS** and **Twitter Bootstrap CSS** framework and **media queries** to create responsive web pages.
- Used **Web Pack** module bundler for compilation of SAAS files into CSS and for monitoring the application.
- Developed multiple **Angular 4.0/6.0 components** which are compatible with latest versions of **typescript, angular CLI**.
- Configured various **routes, directives** for **grid, pagination, conditional validations, Templating, dynamic loading, lazy loading, Shadow DOM, NGRX store**.
- Developed angular **views** to hook up models to the **DOM** and synchronize data with server as a **SPA**.
- Built-in **AJAX HTTP Service** with **observables** is used extensively for making quick and incremental updates to UI of the application.
- Implemented **Node JS** as a **server-side proxy** for an event-driven, non-blocking I/O model to make the application lightweight and efficient.
- Developing **RESTful** web services using **Node JS** and **Express JS** and used **Node JS** server to interact with the Rest services and database, hosted on multiple load balanced cloud instances.
- Utilized the inbuilt **NPM package manager** to configure the right versions of the packages and to achieve dependency management.
- Configured **Express JS** node http framework to set up middle-wares to respond to HTTP requests and used its front-end tooling like **web packs, starter packs, and boiler plates** efficiently.
- At a later point, migrated from **Express JS** to **Hapi JS** which is configured on top of **Node JS** to attain better performance, to use built in authentication and authorization techniques.
- Implemented a robust **RESTful (Apache CXF)** web service and automated documentation to the web services in the application is provided by **Swagger** by configuring **Hapi-swaggered** and **Hapi-swaggered-UI**.
- Unit testing of web services is done using **Spock** framework by extending **Groovy** syntax.
- Configured **Redis** (Remote Dictionary Server) with node server for caching the responses via **catbox**.
- **Karma** test runner and **Jasmine** test framework tool are used to perform behavioral driven testing for the angular application.
- Testing for **Node JS** is done using **Mocha and chai** and for **spring boot** used **Mokito, Junit, mock mvc** and thereby achieving **Test Driven Development (TDD)**.
- Building cloud Microservices and implemented back-end using **Spring Boot**. And Authored application using **Spring Cloud services** (spring version of **Netflix OSS-Eureka** that helps in routing, **Circuit Breaker**, and **Ribbon** for client-side load balancing).
- Worked in integrating **JMS** with **Spring Boot** by providing an instance which is embed with **Active MQ**.
- Worked on **ECMA 6** features as **ES6** features implemented in **Google's V8** which is used by Node JS.
- Configured **OIDC** (Open ID Connect) on top of **OAUTH 2.0** authentication and authorization framework to provide the security to rest web services.
- Implemented Single Sign On and policy-based authentication using **Site Minder** security framework.
- Configured **JBOSS** Application server and used **Oracle** database with **Hibernate ORM framework** and used the functionalities of **Hibernates** second level **EHCACHE**.
- Created dynamic schema design through **NOSQL Mongo DB** by writing rich queries and achieved data in a collection to be distributed across multiple systems for **horizontal scalability** as data volumes increase through **Automatic Sharding**.
- Implemented **Mongoose Connector** as our **ODM framework**.
- Configured **Kibana** data visualization plugin for **Elastic search, Logstash** and created bar, line and scatter plots, or pie charts and maps on top of large volumes of data.

- Configured **Docker container** service and build pipeline **Jenkins CI/CD** tool for continuous integrating and deploying application on servers.
- Migrated existing modules in **IBM MQ** to **Apache Kafka** and worked on creating Kafka adaptors for decoupling the application dependency.

Environment: Angular 4.0/6.0, Node JS, Express JS, HTML5, CSS3-SASS, Twitter Bootstrap4.0, Site Minder, Hibernate4.x, OAuth2.0, OIDC, Eclipse Java EE IDE, JIRA, Apache Kafka, IBM MQ, Jenkins, Babel, Log4j, Redis, Mongo DB, Mongoose Connector, Oracle, JBoss, Kibana, Elastic search, Logstash NPM, Web pack, EC2, S3, RDS, EBS, Elastic Load Balancer, Docker, Apache tomcat, Selenium, Spock, Karma, Jasmine, Mocha, Chai, Mockito, Junit, Kubernetes, New Relic, Dump Analysis, Swagger, Maven3.0.

Client: Metlife Inc, GA

Feb 2019 – July 2021

Role: Java Full Stack Developer

Responsibilities:

- Worked on gathering the requirements and developing a working architecture to deploy.
- Worked on generating sequence and data flow diagrams using UML.
- Create team specific agile process flow in JIRA to move tasks from one activity to another.
- Development in Java EE including GUI, business logic and data access.
- Designed and developed UI screens with JAXB and JSF (MVC) to provide interactive screens to display data.
- Used parsers like SAX and DOM for parsing xml documents and used XML transformations using JAXB.
- Developed the business layer logic and implemented EJBs Session beans.
- Implemented Java and J2EE Design patterns like Business Delegate and Data Transfer Object (DTO), Data Access Object and Service Locator.
- Used Apache POI - HSSF for generating reports in MS Excel and iText for generate PDF reports.
- Developed and Implemented Web Services and used Spring Framework.
- Prepare Java/J2EE development structure for XCode, Maven.
- Involved in creation of web services, WSDL and web methods with Annotation in hibernate, Used the spring container for data source and to load the Hibernate specific classes.
- Involved in developing the UI panels using JSF, XHTML, CSS, DOJO, and jQuery.
- Involved in the creation of interface to manage user menu and Bulk update of Attributes using AngularJS, EXTJS and JQUERY.
- Developed AJAX scripting to process server side JSP scripting.
- Integrated MVC framework Backbone.js to the existing web applications.
- Exposure to NoSQL database programming - Apache Cassandra.
- Worked on maintaining the database system using Sybase.
- Used XCode as IDE, configured and deployed the application onto WebLogic application server using Maven build scripts to automate the build and deployment process.
- Building and deploying the jar files on JBoss to support the testing and stable maintenance.
- Worked with oracle in maintaining the vendor, patient databases and connecting it by JDBC.
- Experience in writing test cases using JUnit testing framework and configured applications on WebLogic Server.
- Develop common utilities for JSON to Java object.
- Developed the web interface and interaction using Stripes and AngularJS.
- The web interface was made easy to secure with spring framework.
- Experience in working on Web Application Security scanning tools- AppScan, VeraCode.
- Analyzing report requirements and developing the reports by writing Teradata SQL Queries and using MS Excel, Power Point and UNIX.

- Write bash and Perl scripts for file maintenance and web page generation using common utilities including vim, sed, find, grep, and resync.
- Worked to store the data on the cloud storage service.
- Developed client-side application using java swing framework.
- Designed, developed, implemented, and maintained custom Ant tasks in Java and Groovy.
- Wrote the Grails Sanitizer Plugin to address security of Rich Text in Grails applications.
- Design, develop and test of SOA services using SOA / Web Service / Oracle Fusion Middleware.
- Extensive experience in developing applications using Java and related technologies using WATERFALL and AGILE (SCRUM) methodologies. Updating status on daily basis and participating in user story grooming and estimation sessions.
- Worked on writing log file using google cloud logging.
- Developed JavaBeans with Hibernate for necessary transactions like fetching the required data, updating the vendor information.
- Utilized Jenkins, Git, and Eclipse for deployment on test servers and to move towards CI/CD.
- Worked on Jenkins to integrate the code and perform testing on it.
- Manually tested the web application through different environments.
- Written Black Box test cases based on the User and Business Requirements.
- Performed SOA / web services testing using SOAP UI, wrote adaptors to test / invoke web services.
- Extensively used Selenium (XPath and CSS locators) to test the web application.
- Used SOAP UI tool to test SOA based architecture application to test SOAP services & REST API. Used Page Object Model, UI Mapping, Selenium Manager, Data Driven using CSV, CSS Selectors as a part of Framework.
- Involved in the development of Test plan, Scenarios and Test scripts for manual, automation, and functional testing of the application.
- Contributing effectively at many different points in a project life cycle as an individual contributor.

Environment: Java 8, JPA, Spring, Hibernate, Struts, Stripes, EJB, JSF, jQuery, Ajax, JavaScript, Oracle 11g, Jira, Maven, PL/SQL, JDBC, Solr, Apache CXF, NoSQL, CI/CD, Jenkins, Cloud logging, Cloud Storage, ActiveMQ, Rest, XCode, WebLogic, Node.js, Bootstrap, Sybase, Backbone.js, Angular.js, WODM 8.1, Junit, Agile, UML, JSP, JBoss, Servlet, Selenium, SOA.

Client: Wells Fargo, NC

May 2017 – Jan 2019

Role: Java Developer

Responsibilities:

- Involved in requirements gathering, analysis, design, development, testing and Maintenance phases of R&D redesign.
- Involved in the design of the applications using J2EE using Model/View/Controller (MVC) design pattern.
- Implemented Data Access Objects (DAO), Value Objects, Java Beans and Singleton design patterns.
- Created Servlets and Java Server pages, which route submittals to the appropriate Enterprise Java Bean (EJB) components and render retrieved information.
- Developed User Interface (UI) module using Struts Framework, JSP, Servlets, AngularJS, and JavaScript.
- Used Agile methodology to develop and maintain the project.
- Extensively used the struts framework and coded the UI components using servlets, JSP, Java Script and struts components like Action classes, Action forms and XML configuration files.
- Developed Java Server Pages (JSP) for the front end and Servlets for handling HTTP requests.
- Involved in using core java concepts - Collections, Exception Handling, Multi-Threading, and Serialization.
- Involved in implementing logging, exception handling and transaction management using spring AOP.

- Involved in ORM mappings for associations, Inheritance & fetching strategy, performing CRUD operations and managing second level cache using Hibernate.
- Implemented Mule ESB java-based enterprise bus and Integration platform to connect applications quickly and easily which enables them to exchange the data through JMS.
- Tested SOAP web services using SOAP UI and REST web services using REST Client.
- Used Oracle SQL developer and Toad for the writing queries or procedures in SQL.
- Written SQL queries & PL/SQL Stored procedures, functions, triggers, cursors, sequences, and indexes.
- Used AngularJS library for creation of powerful and interactive dynamic Webpages and web applications by using its advanced and cross browser functionality.
- Application backend implemented as Node.js express application server.
- Configured and deployed Application on Apache Tomcat Application Server.
- Implemented Struts tag libraries for HTML, beans, tiles for developing User Interfaces for frontend simulator.
- Used Log4J for extensible logging, debugging and error tracing.
- Involved in Production Support and Maintenance.
- Used GitHub version control system as a source repository to organize the code base.
- Developed code using IntelliJ for integrated development environment.
- Used JUnit testing framework for unit level testing.
- Installed, deployed, and upgraded AWS Cloud based servers and services in accordance with project guidelines.

Environment: Java 1.7, Core Java, J2EE, Spring MVC, Hibernate, JSP, AngularJS, HTML 5, CSS, Servlets, XML, XSD, XSLT, Web-Services, JSON, Bootstrap, SOAP UI, JUNIT, HTML, CSS, JavaScript, Node.js, IntelliJ IDEA, Tomcat, Jenkins, Log4J, UNIX.

Client: RBS Bank, India

June 2014 - July 2016

Role: Software Engineer

Responsibilities:

- Involved in analysis, design, and development of the application.
- Involved with the architecture team for design and implementation of system.
- Involved in the Agile process of Extreme Programming that involved intensive code review, unit testing and frequent interaction with customers and applying those changes effectively by introducing checkpoints in the requirements
- Worked with reducing the cost of changing requirements by having multiple short development lifecycles.
- Performed client-side validations using JavaScript.
- Developed user interface using JSP, HTML and JavaScript to simplify the complexities of the application
- Used AJAX Framework for Dynamic Searching of product sales Information
- Developed application using Spring MVC, JSP, JSTL and AJAX on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate
- Developed views and controllers for client and manager modules using Spring MVC and Spring Core
- Used Hibernate in data access layer to access and update information in the database
- Implemented business processes such as user authentication, transfer of service using session EJBs
- Used Web services - WSDL and SOAP for getting credit card information from third party
- Followed TDD and developed test cases using JUnit for all the modules developed
- Used Log4J to capture the log that includes runtime exceptions, monitored error logs, and fixed the problems
- Developed and modified database objects as per the requirements

Environment: Core Java, JSP, JavaScript, HTML, AJAX, spring, Hibernate, WebSphere, JUnit, Log4J, XML, EJBs, WSDL, SOAP, Spring MVC, JSP, JSTL, AJAX, Spring Core.