# Prathyusha

# sreedhap1@gmail.com mobile: (906) 275 9866

# SUMMARY

Around 7+ years of experience in all the phases of software development life cycle that includes Requirement Study & Analysis, Design, Development, Integration, maintenance and testing of various client/server and N-tier web applications.

* Experienced in Design and Development of multi-tier enterprise applications using **Java, J2EE, spring, Servlets, JSP, Hibernate, JDBC, and Java Beans.**
* Proficient in creating effective web applications using **HTML5/HTML/XHTML, CSS3/CSS, JavaScript, Bootstrap, jQuery, JSON, XML and JSTL tags.**
* Proficient in Core Java with strong understanding of **data structures, algorithms, Collections, Concurrency, Multithreading, Event handling and performance tuning**.
* Experienced in integrating enterprise applications using **RESTful** Web services.
* Comfortable working with MEAN (**MongoDB, Express, Angular, Node.JS**) stack.
* Experience in creating web applications utilizing Spring MVC outline work and Object-Relational Mapping advances, for example, **JPA, Hibernate.**
* Good experience working with JavaScript and JavaScript frameworks **JQuery, Angular 2.0, Angular 8, ReactJS.**
* Extensively utilized **Spring MVC Framework, JSP, JSF,** for creating User interface modules.
* Proficient in utilizing social databases **Oracle, MySQL, SQL Server** and composing complex SQL, **PL/SQL** programs. Great comprehension of **NoSQL** databases like **MongoDB.**
* Good working knowledge in Single Page Applications **(SPA)** using JavaScript frameworks like

**Angular JS, React.js.**

* Expertise in **Object - arranged** outline/examination, **UML** demonstrating and J2EE designs.
* Hands on experience in utilizing programming advancement approaches (Agile, SCRUM), Continuous mix and **Test Driven Development (TDD).**
* Experienced with current improvement IDEs, for example, **Eclipse, IntelliJ and spring device suite.**
* Deployment of Cloud service including **Nexus** on **Docker** using **Terraform**.
* Implemented a Continuous Delivery pipeline with **Jenkins, Kubernetes, GIT** and **Maven.**
* Good Knowledge in **Amazon Web Services** ecosystem (**Amazon EC2, Amazon S3, Amazon SimpleDB,** **Amazon Elastic Load Balancing,** **Amazon SQS, Amazon EBS** and **Amazon CloudFront**).
* Experience in configuring and deploying Web Applications using **IBM WebSphere server**, **JBoss**, **Tomcat server** and **Apache**.
* Worked on utilizing **Rabbit MQ, IBM MQ, Apache Kafka** as a Message Oriented Middleware for coordinating applications.
* Managed Amazon Web Services like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC)** through AWS Console and API Integration.
* Involved in developing testing frameworks such as **JUnit, Mockito, Cucumber** and **Selenium** for **Test Driven Development** (TDD).
* Experienced in Agile methodologies like **Scrum** and **Extreme Programming (XP),** and Agile practices like **Continuous Integration** and **Test-Driven Development** (TDD).

# TECHNICAL SKILLS

|  |  |
| --- | --- |
| **Programming Languages** | Java 8.0/7.0/6.0/5.0, Java/J2EE, C, C++, Python, JDBC, DTD, UML, Design Patterns, Shell Scripts, SQL and PL/SQL |
| **J2EE Technologies** | Servlets, JDBC, JSP, JSF, JMS, EJB, JNDI, Java Security |
| **Mark-up/XML Technologies** | HTML, CSS, JavaScript, JQuery, AJAX, AngularJS, Bootstrap, XML, XSD, XSL/XSLT, SAX/DOM, JSON. |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Boot, JUnit, SOAP UI, ANT, Maven, Jenkins, Jasper Reports, Apache Active MQ, Apache Camel. |
| **Web services** | SOAP, UDDI, WSDL, JAX-RPC, Restful, JAX-RS, JAX-WS, JAX-B, Axis2,  Micro services, AWS (Amazon Web Services). |
| **Web/App Servers** | IBM Web Sphere, Apache Tomcat, J Boss, Web Logic Server. |
| **Database** | Oracle, SQL-Server, MySQL server, TOAD, MongoDB/NoSQL, Cassandra. |
| **IDEs** | Eclipse, IntelliJ, Spring Tool Suite(STS), RAD. |
| **Design Patterns** | MVC, Front Controller, Sessionb Façade, Singleton, Business Delegate and DAO patterns |
| **O-R mapping** | Hibernate, MyBatis. |
| **Modelling/ CASE Tools** | Rational Rose, MS Visio Professional. |
| **Testing Tools/ Others** | JUnit, Soap UI, Putty, Post Man |
| **Build Tools** | Maven, Jenkins, Gradle, ANT p |
| **Version Control** | Tortoise SVN, CVS, Rational Clear case, GitHub. |
| **OS & Environment** | Windows, Sun Solaris, UNIX, Linux. |

**PROFESSIONAL EXPERIENCE**

**Edassist, Watertown, MA Mar. 2020 – Till Date**

**Full Stack Java Developer**

**Responsibilities:**

* Involved in **design,** development and **testing** of software development life cycle
* Responsible for requirement gathering from the **Business Analysts** and for preparing the requirement specification document
* Involved in structuring and execution of **MVC** configuration design utilizing **spring** framework for Web-level
* Involved in developing code for obtaining bean references in **spring** framework using Dependency Injection **(DI)** or Inversion of Control **(IOC)** using annotations. This functionality is implemented by developing **RESTFUL** web services using **spring boot**
* Worked on developing the backend part of the application involving **spring framework, and Web Services**
* Worked with **Lambda expressions** and **Functional interfaces.**
* I have worked on **Lambda Expressions; Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8.**
* I have worked on improving the overall performance of applications via **Multithreading, collections, synchronization, and exception handling strategies.**
* Developed **Service Oriented Architecture (SOA)** and **Micro Service Architecture** based J2EE applications.
* Developed the code for calling the external **web service** through **Spring**
* Configured **Kafka** to read and write messages from external programs.
* Configured **Kafka** to handle real time data. Implemented **Kafka** producer and consumer applications on **Kafka** cluster setup with help of **Zookeeper**.
* Secured the API's by implementing an **Oauth2** token-based authentication/authorization scheme using spring security.
* Streamlined installation of **OpenShift** on partner cloud infrastructure such as **AWS**.
* Utilized **Kubernetes** for the runtime environment of the **CI/CD** system to build, test deploy.
* Deployment of Cloud service including **Jenkins** and **Nexus** on **Docker** using **Terraform**.
* Developed **Maven** Scripts to automate the build process. Managed the **Maven Repository** using Nexus tool and used the same to share the snapshots and releases of internal projects.
* Developed a cross-device/cross-browser web application for real-time location sharing utilizing **Angular 8, JavaScript API**
* Worked on the front-end look and appearance for the screens using **JavaScript, AJAX, Angular 8**, **jQuery**
* Involved in Setting up the build, configuration and **auto deploying** using **Maven** build tool
* Used **GIT** repository for software configuration management and version control
* Consumed **SOAP** web services for our Application
* Followed **Agile Methodology** and **Scrum** listas a Software development process
* Prepared **Junit** test cases using **Mockito** and **Powermockito** and executed the test cases using Junit for the entire project and implemented build process for maven for **TDD**
* Deployment of ear and war files in **WebLogic Server**
* Used **SQL statements** and procedures to fetch the data from the database
* Developed code in **Java, J2EE, Webwork** and **Hibernate** using **XP Practices Pair Programming, TDD, Continuous Integration**
* Developing scalable applications in a dynamic environment, primarily using **Java, Spring web services** and object/relationship mapping tools
* Implemented **log4j** for logging purposes and debug the application
* Designed and implemented customized **exception handling** to handle the exceptions in the application
* Communicated **development** status on a regular basis to technology team members

**Environment:** Java8, Spring MVC, Spring JDBC, SOA, Maven, Jenkins, Angular, SOAP, GIT, XML, Oracle, WebLogic, Agile, JSON.

**Charles Schwab, Westlake, TX Oct. 2018 – Feb. 2020**

**Full stack Java Developer**

**Responsibilities:**

* Worked on a ticketing system based with Jira for all the task assigned
* Created shell **script** files to build the application & deployed on **Jenkins, Built spring boot** applications and deployed and developed the projects using **AWS.**
* Worked with Oracle database and updated the **SSL** calls with the auto commit functionality and the **TDC** port for the **existing java** and spring boot applications.
* Did regression testing for the **UI, XML’s** using the tests cases given by the QA.
* Installed and configured multiple Jenkin jobs for deployment.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup and implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.
* Was a part of the **AWS migration** team, where in had to work with packaging of the project
* Was an integral part of the team responsible for transition from bit bucket to gitlab repository
* Worked on a ticketing system based with Jira for all the task assigned Used AWS data pipeline service for moving data between AWS compute and storage services and created complex data processing fault tolerant and repeatable workloads.
* Used **AWSElasticBeanstalk** service for deploying various infrastructures which orchestrates various AWS services. Ensured proper working of Micro services by configuring micro services using Naming Servers (Eureka).
* Developed Micro services using Spring Cloud and developed production ready Spring Boot applications
* Used **AmazonElastic** search service for application monitoring and full text search.
* Used **GWT** and **AmazonAWS** (EC2/S3/EBS) for prototyping and subsequent evaluation.
* Responsible for maintaining and expanding our AWS infrastructure using **AWS** (EC2/EBS).
* Used JBOSS application server for run time integration of j2ee applications.
* Used **ApacheCXF** for building and developing services and used frontend programming API s like JAX WS and **JAX-RS.**
* Worked on Devops methodologies and Cloud infrastructure automation tools and engaged in a project to transform all the products into microservices in containers.
* Used **ApacheCXF** for supporting variety of web service standards like SOAP and WSDL
* Worked on **DenodoExpress6.0** version for fast deployment on **AWS** cloud.
* Used the Mongo DB cloud manager for managing and monitoring the **MongoDB** infrastructure and used cloud manager backup for data backup and data restoration.
* Developed and implemented spring, **JSF** My Faces and **J2EE** based MVC (Model-View-Controller) framework for the application.
* Developed Servlets and **JSPs** based on **MVC** pattern using Struts framework and **SpringFramework**.
* Deployed the application on WebLogic **ApplicationServer** cluster on Solaris 10 environment
* Designed and developed Enterprise Eligibility business objects and domain objects with Object Relational Mapping framework such as Hibernate, JPA**,** and **SpringDataJPA**.
* Experience in using JSP and Servlets to create web interfaces and integrating apache tools like Kafka.
* Worked on **Angular2.0** version for mobile app development.
* Used **ECMAScript6** (ES6) for writing complex applications and modules.
* Worked on **AWSROUTE53**, a scalable cloud **DNS** web service for effective routing, configuring **DNS** health checks.
* Used **NETCONF** configuration protocol for selective data retrieval, configuration change transactions and transaction management
* Used the data modeling language **YANG** model and wrote data structures representing in xml format
* Built a highly scalable, low-latency **Node-JS** API Gateway to interact with **MongoDB** database with **JSON**.
* Worked on the Node v6.0.0 version of **Node JS**.
* Developed Servlets and **JSPs** based on **MVC** pattern using **SpringFramework**.
* Developed and implemented the business logic component in middle tier using **JDBC** and **EJB** framework including stateless session classes and Entity bean classes
* Developed **PL/SQL** procedure for login module and registration module.
* Used **JDBC** to connect to the information model tier.
* Internet Application (RIA) using **J2EE** (spring framework) and Macromedia/Adobe Flex.

**Environment:** Spring, Hibernate, WebLogic, Rest, JQuery, JavaScript, JSON, JSP, WebSphere, Drools, JSTL, Servlets, AWS, SDN,Oracle, Mongo DB, micro-services, Apache SOLRCRUD, PL/SQL, JDBC, EJB, UML, Eclipse, JUnit, JSF, Maven, JBOSS, ApacheHadoop ,Apache CXF,Mongo dB, Amazon Elastic search, Express, GWT, HTML, JSP, JavaScript, Angular 2.0& 4,Typescript,Node.js v6.0.0,CSS, Clear case, Jasmine, Jasper Report, ILOG, Agile, Web 2.0, Adobe Flex, SOAP. Spring Boot, Spring Cloud, spring data JPA

**HMS Insurance, Charlotte, NC May 2016 – Sept. 2018**

**Full Stack Web Developer**

**Responsibilities:**

* Responsible for understanding the scope of the project and requirement gathering.
* Designed and developed the **UI using JSP, HTML, CSS, angular JS, node.js and JavaScript**.
* Used **REST FULL API** gateway to communicate with another web API.
* Involved in writing stored procedures in **Oracle for database** side validations, as well as functions and queries in Postgres database.
* To ensure that the **Big Data** architecture of a company meets the business requirements.
* To implement complex **Big Data projects** by gathering, parsing, managing, analysing, interpreting, and visualizing large datasets to extract valuable insights and convert those insights into actionable business decisions.
* To create and innovate efficient Big Data solutions by integrating multiple programming languages and Big Data tools.
* Used **AJAX** for asynchronous communication with server along with Implementation &amp; design of bean orchestration.
* To create and innovate efficient **Big Data** solutions by integrating multiple programming languages and Big Data tools.
* Utilized Hibernate for Object/Relational Mapping purposes for transparent persistence onto the SQL Server database.
* Used **AWS RESTFULL API** gateway to communicate with another web **API**.
* Built Jenkins jobs to Create **AWS** infrastructure from **GitHub** repos containing **terraform** code.
* Developed **API** for using AWS Lambda to manage and run the code in the AWS.
* Developed independent **Microservices** using **Spring Boot Rest Controller** model and are deployed on UNIX boxes.
* Employed **Spring Boot** for initialize and bootstrapping the build configuration for the boot-based web applications.
* Development of cloud hosted web applications and **REST APIs** using **Spring Boot** with embedded Tomcat.
* Extensively Used **Jenkins** as Continuous Integration tools to deploy the Spring Boot **Microservices** to Pivotal Cloud Foundry (PCF) using build pack. Used Pivotal Cloud Foundry to quickly build, deploy and update the applications.
* Utilized Hibernate for **Object Relational Mapping (ORM)** purposes for persistence on to the database.
* Used **Apache** **Kafka** as a messaging layer.
* Good experience in **Apache Kafka** messaging system and implementing Kafka clusters.
* Followed the Agile methodology to implement the application
* Converted mock-ups into hand-written **HTML, CSS (2/3), XHTML, JavaScript, JQuery, AJAX, XML** and **JSON**
* Used **Ajax, JSON** to send request to the server to check the functionality of the websites.
* Using **GIT** and Update Daily task in Rally to the **Agile Methodology**.
* Used Saga Middleware, Redux-Promise in application to retrieve data from Back-End.
* Worked on **React JS Virtual Dom** and React views, rendering using components which contains additional components called custom HTML tags.
* Involved to implement various screens for the front end using React.js and used various predefined components from **NPM** (Node Package Manager) and **redux library**
* Used GIT for version controlling and regularly pushed the code to GitHub.

**Environment:** Java 1.7,Oracle 10g, Hibernate 3.0, JSP, Servlets, JavaScript, Maven 3.3.3, Design Patterns, HTTP, HTML5, CSS3, XML, XHTML, SQL, Angular js, JDBC, JNDI, JUnit, GIT, Log4J, Agile methodology, shell scripting, EJB 3.0, JMS, LDAP, AJAX, ICEFACES 4.0.0, JSF 2.2, MVC, dom4j 1.6.1, JQuery, Apache Tomcat 8.0, MAXIMO 7.0.

**Epam, Dallas, TX Aug. 2015 – Apr. 2016**

**Full Stack Developer**

**Responsibilities:**

* Extensively worked on front end, business, and persistence tiers using the **spring framework**
* Involved in designing and implementation of **MVC design** pattern using spring framework for Web-tier
* Developed applications in Java based UI within **Angular 2.0** framework and **Node.js**, integrated with **Typescript**
* Followed **agile** software development practice paired programming, test driven development and scrum status meetings
* Worked extensively on **Spring boot** for building web services
* Used **JavaScript, jQuery** for user interactions in pages. Creating a responsive web application integrating Twitter Bootstrap with **Angular2.0** and media queries
* New library development with micro services architecture using **REST API’s,** **Spring Boot**
* Expert in using **Angular 2** as main front-end framework using features like components, pipes, modules, custom directives, templates, data binding, dependency injection, routing and Angular CLI
* Worked on creating various types of indexes on different collections to get good performance in **Mongo** database
* Involved in unit testing of core functionalities using **Junit**
* Used Micro services to communicate using synchronous protocols **HTTP** and **REST** for implementing **SOA** approach
* Implementation of Spring Restful web services which produces **JSON**
* Migrating existing application into micro services architecture using **Rest APIs, spring boot**
* Used **Node.js** APIs for authentication and authorization
* All the functionality is implemented using **Spring IO** / **Spring Boot** and **Hibernate ORM**. Created the build, deployment and configuration related scripts for **Maven**

**Environment:** Java8, Spring MVC, Spring JDBC, algorithms, WAS, Hibernate, AngularJS, REST, JavaScript, HTML5, CSS3, AJAX, JSON, Maven, Jenkins, node.js, GIT, XML, WAS, Spring boot, Oracle 11g/12i, WebLogic, JIRA

# 

**Vsoft Technologies pvt. ltd., Hyderabad, India May 2012 – Dec. 2014**

**Development Engineer**

**Responsibilities:**

* Involved in **complete project life cycle** starting from design discussion to production deployment.
* Worked closely with the business team to **gather their requirements** and new support features.
* Developed products like Deposits and Teller Core Banking System
* Responsible for Configuration Management and Release Management for the product to the client.
* Advanced skills in **Java6/J2EE, Hibernate** and **JPA**.
* Knowledge in writing **SQL Queries**, in **Oracle 10g, 12c**.
* Experience in development methodologies such as **Agile, Scrum** and **Test-Driven Development**.
* Experience in deploying web application using application servers like **JBoss 6.2 & 7**.
* Experience in developing applications using IDE tools like **Eclipse** and **SQL Developer**.
* Configuration and version control by using **SVN, GitHub**.
* Working knowledge of continuous integration tools like Jenkins.
* Hands on Experience in **Log4j, Maven and JUnit**.
* Strong Knowledge in **Financial Domain** and **Core Banking System**.
* Followed **Agile Methodologies** while working on the project
* Experience in gathering business requirements from Business Analyst & Third Parties.
* Migrated old project in **Struts, JSP, Richfaces to Spring Rest API** calls with **Angular**.

**Environment:** Java8, Spring MVC, Spring Boot, RestFul Web Services, Maven, Jenkins, Angular, SOAP, GIT, XML, Oracle, Agile, JSON, Struts, Jsp, Richfaces(JSF), SQL Developer, Eclipse.

# EDUCATION

**Michigan Technological University,** Houghton, MI.  **May 2016**

Master of Science in Computer Science, **GPA: 3.5/4.0**

**S.R Engineering College,** Warangal, India **Apr. 2012**

Bachelor of Technology in Computer Science and Engineering, **GPA: 7.2/10**

# LANGUAGES

English and Hindi