**SAHITHI AKKINENI**

**Software Developer**

**SUMMARY**

* Software Developer and a Computer Science graduate with more than 8+ years of experience in design, development, testing, documenting and maintaining several Client/Server applications across Shipment, Insurance, Retail and Healthcare domains.
* Diverse experience in Java, Spring Boot, Spring Batch, Spring Security, Hibernate, Web Services (SOAP and REST), JAXB, JAX-RS, Dockers, Kubernetes, PL/SQL, Angular, XML, JSON, Oracle, Microsoft SQL Server, Git, Bit Bucket, Tortoise SVN and Agile.
* Expertise in frameworks like Spring 4.0, spring modules such as Dependency Injection, IOC, AOP, and MVC, struts and Hibernate ORM.
* Experience in developing interactive web applications with Single Page Application framework using Angular, HTML5, CSS3, JavaScript, Node JS, Bootstrap, JSON and jQuery.
* Experienced with AngularJS directives ng-init, ng-app, ng-model for initialization of AngularJS application data, implemented AngularJS Expressions, Directives, Controllers and created Angular JS service layer.
* Experience in creating emailing services using Freemarker template.
* Implemented persistence solutions using JDBC, JPA and Hibernate in coordination with various SQL databases such as Oracle, MY SQL and No SQL databases like MongoDB and Cassandra.
* Proficient in deploying web applications on the application servers like WebLogic, Apache Tomcat and WebSphere.
* Expertise in using build tools like ANT and MAVEN for building deployable artifacts such as War, Ear from source code, Log 4j for Logging and GitLab, CVS and Tortoise SVN for version controlling.
* Experience in developing unit and integration testing using JUnit, SOAPUI and Postman and involved in writing test cases and documenting business case scenarios for developed interfaces.
* Experienced use of project management software (JIRA) for issue tracking, maintaining tickets specific to bug fixes and enhancements. Design CI/CD processes to automate build, test and deployment.

**TECHNICAL SKILLS**

**JAVA/J2EE Technologies** Java, JDBC, Spring Boot, Spring Security, Spring Batch, Web Services, SOAP & REST, Hibernate, JDBC, Spring MVC, PL/SQL.

**Frameworks/ Libraries** Spring MVC, Hibernate ORM, Struts.

**Databases** Oracle, MySQL, DB2, SQL Server, Mongo DB, Cassandra.

**Application Server** Apache Tomcat, WebLogic, IBM Web Sphere, JBOSS.

**Operating Systems** Windows, Mac OS, UNIX/LINUX.

**Web Technologies** Angular 11, HTML, CSS, JavaScript, XML, jQuery and Bootstrap

**IDE/Utilities**  Eclipse, NetBeans, IntelliJ, Visual Studio.

**Build Tools** Ant 1.5, Maven 3.0.

**Version Control Tools** Tortoise SVN, Git, Bit Bucket, CVS.

**PROFESSIONAL EXPERIENCE**

**Freddie Mac - McLean, VA June 2022 – Present**

***Project: Foss Remediation***

Foss Remediation is used to check security reports from Black Duck scan and fix all the vulnerabilities and provide all the necessary documents to the Dealer Direct.

**Responsibilities:**

* Involved in business requirement gathering, analysis, design, development and integration of end-to-end application modules.
* Created Hibernate mapping (hbm.xml) and configuration (cfg.xml) files.
* Implemented Grails pagination to display data using Grails templates and views.
* Wrote Unit and Integration tests for Domain and Service classes. Developed complex SQL queries for joining tables.
* Implemented AJAX for better user experience by dynamically providing Asynchronous request and response communication between the client and the server.
* Used Groovy and Spring Boot for collecting the data from the users and packaged the data as JSON and distributed to 43 applications.
* Used Log4j and Junit for debugging, testing and maintaining the system state.
* Created Spring MVC – REST based JSON services, used REST template for making a client call to JAX-RS web services.
* Established Continuous Integration (CI) practices and standards in creating APIs with JIRA and Jenkins.
* Implemented persistence layer using various features of Hibernate 3.5 framework like HQL queries, criteria etc.
* Extensively used Hibernate in data access layer to access and update information in the database. Created POJO classes, spring configuration files to use dependency injection.
* Production support for the application and handling of critical issues in a timely manner.
* Developed SQL, PL/SQL stored procedures along with Shell scripting – database application scripts. Worked with NoSQL databases such as Cassandra, MongoDB.

**Environment:** Java/J2EE 1.8, Spring framework, HTML5, CSS3, Bootstrap3, Angular 8, Maven, Tomcat, Groovy, Grails, MongoDB.

**CVS Health - Woonsocket, RI June 2021- June 2022**

***Project: SmartBytes***

SmartBytes is a smart messaging application that is intended for data collection purposes. This project was implemented as a high priority to address the needs of COVID testing in schools amidst severe pandemic situations.

**Responsibilities:**

* Responsible for developing UI pages using Angular11, HTML5 and for styling of the web page used SASS that extends CSS with dynamic behavior such as variable, operations and operations.
* Created Typescript reusable components and services to consume REST API’s.
* Used various custom directives and developed various reusable components and templates.
* Utilized Agile methodologies to manage full life-cycle development of the project.
* Used SVN for source code management and version control.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Extensively worked with automation tools like Hudson**,** JenkinsandBuild Forge to implement the End-to-End Automation.
* Developed and deployed spring boot microservices in AWS which will connect to MongoDB and perform crud operations.
* Used Log4j for logging purpose and Tortoise SVN as a source code repository and version controlling and deployed the application on docker.
* For CI/CD, Quick Build automation tool is used to maintain the code in various environments.
* Developed a smart messaging system using Angular 11, HTML 5 & SASS to solve for data collection needs and implemented dynamic file upload & validation components from UI using a variety of libraries for Angular 11.

**Environment:** Angular11, HTML5, CSS, SASS, SVN, REST API, Visual Studio code, Quick Build, AWS, Cloud Front, Log4J, MongoDB, CI/CD.

**The Hanover Insurance - Worcester, MA November 2019 – June 2021**

***Project: Hanover Claims Systems***

HCS is an internal application of Hanover Insurance that provides information about the claims on each of the different types of policies and provides the files on the claims for the underwriting workers. The other part of it is to upgrade from using the third-party vendors by writing the service that runs the batch jobs that help generating the files on daily transactions which are internally used.

**Responsibilities:**

* Worked in an agile environment where the work progress, issues and bug fixes were discussed in the daily stand-ups.
* The entire application is developed using Spring Boot 2.0 running the batch cycles with Maven as a build tool.
* Used spring core annotations for spring dependency injection and Spring Boot for REST APIs and microservices.
* Developed PL/SQL functions to extract information from the Oracle database to write it into files.
* Worked on NoSQL databases like MongoDB and relational databases like oracle.
* Used issue tracking tool JIRA for bug fixes and life cycle traceability.
* Set up full CI/CD pipelines so that each commit made will go through the standard process of software lifecycle and get tested well enough before it makes it to production.
* Helped individual teams to set up their repositories in Bit Bucket and maintain their code and help them set up jobs which can make use of CI/CD environment.
* Involved in batch processing to extract data from the database and load them into tables for further filtration.
* Developed several DAO classes interacting with the Oracle RDBMS and participated in writing JPA criteria builders.
* Bit Bucket is being used for code maintenance, Jenkins to build the service and UCD (Urban Code Deployment) to deploy the war file to all the testing and PRD environments.
* Some amount of UI is achieved using Angular4.0, HTML, CSS, Bootstrap and JavaScript.
* SQL queries are tested against the database using SQL Developer. REST endpoints are tested using SOAP UI.

**Environment:** Java/J2EE 1.8, Eclipse, Spring framework, Spring Boot, HTML5, CSS3, Bootstrap3, Angular, Maven, Tomcat v7.0, Bit Bucket, SOAP UI, SQL, MongoDB, UCD, CI/CD, Jenkins.

**CVS Health - Woonsocket, RI February 2019 - October 2019**

***Project: POS Personalization***

POS-Personalization is an internal application of CVS Pharmacy that personalizes the user interface based on the preferences of the customer. The screens will be personalized based on the analysis of the previous options opted by the customer.

**Responsibilities:**

* Worked as a full stack developer on the Personalization project, involving in the daily scrum meetings to get the latest updates on the design and working towards the development of the application with the latest changes provided by the business and performing unit and integration tests and deployment.
* The web application was developed using Spring for backend services that interact with the databases using stateless protocols and Angular in the front end to provide the personalized user interfaces.
* SOAP UI is used to test the service APIs, Log4j for the logs to check for any issues and used GitLab for version controlling.
* Jenkins was used for CI/CD to automate building the various versions, testing of the applications and deployed using Dockers.
* The database operations are performed using SQL server management studio.
* Data analysis is performed based on the information provided by the customer on his preferences and develops the dynamic user interface for the easier understanding of the associate for the convenience and health of the customer.
* Worked on converting the applications into Docker optimized applications by clustering them based on the services provided by each of them.

***Project: Kiosk Payment Device/Remote Management***

Remote Management is an internal application of Minute Clinic that keeps track of the payment devices. It provides functionality for registering the payment device, uploading and updating the software remotely and centrally in those devices.

**Responsibilities:**

* Developed the web application using spring with Jersey framework as the middleware and Angular JS, HTML, CSS in the front-end and SQL databases in the backend.
* Used Rest Client – POSTMAN and SOAP UI tools to test Rest API services.
* Used Maven as the build tool and worked on the application in a multi-threading environment using Eclipse Neon.
* Used Log4j for logging purpose and Tortoise SVN as a source code repository and version controlling and deployed the application in Tomcat application server.
* The database operations are performed using SQL server management studio.
* Used Quick Build for build automation and management in QA and Production environments.

**Environment:** Java/J2EE 1.8, Eclipse Neon 3, Spring framework, Spring Boot, HTML5, CSS3, Bootstrap3, Angular JS v1.4.7, Maven, GitLab, Tomcat v7.0, Tortoise SVN, Quick Build, Postman, SQL, SOAP UI, HP Application Lifecycle Management, Jenkins, CI/CD.

**FedEx Services - Memphis, TN April 2018 – February 2019**

***Project: Charters***

Charters in an internal application of FedEx that helps in providing an estimate as well as reserving a Chartered flight. It also helps in assisting the entire journey with the crew and the customers.

**Responsibilities:**

* Worked as a full-stack Java developer for the Charters Application, involving in user requirement analysis, design, development, testing, integration and development in an agile environment.
* Prepared the entire Data Model for the application which includes the creation of new tables and functions using DB VisualizerandSQL Developer.
* Implemented the application using Spring MVC framework using Spring 4.0.
* Worked on JDBC for mapping the java objects to relational database and SQL queries to insert, update, retrieve and delete the data from the Oracle database.
* Migrated the project from plain JDBC to Spring JDBC to access the stored data and perform CRUD operations.
* Extensively used various Spring framework modules like DI (IOC), Auto Wiring, JDBC templates and AOP to hold the UI data and serve the request and to send the response.
* Designed, developed a custom single page responsive web application on the front-end Angular JS (version 1.6), HTML4, CSS3, Bootstrap3, jQuery technologies.
* Built the mailing services module using freemarker template engine to send the emails to internal users and customers for the quote confirmations.
* Experienced in developing single page applications using Angular JS framework by creating modules, controllers, and ng- functions like ng-init, ng-model, ng-repeat, directives and modules.
* Built the application using Ant build tool, which in due course of time was converted into Maven and deployed on the local WebLogic server.

**Environment:** Java/J2EE 1.8, Eclipse Oxygen, Spring framework, Spring Boot, Maven, GITLAB, Tomcat, SOAP UI, SQL server management studio, Jenkins, Freemarker, Angular JS, HTML, CSS, Bootstrap.

**CVS Health, Irving, TX February 2017 -March 2018**

**Project: RxConnect – Health Engagement Engine**

RxConnect is an online transactional software system, enabling the pharmacy to fulfill the needs of prescription filing and drug dispensing activities. The system permits distribution of prescription filing activities, enabling the pharmacy to complete the process in a shorter time.

**Responsibilities:**

* Worked in an agile environment, contributing in the development of products through SDLC, from requirements definition through successful deployment.
* Created a Java application with spring framework using DAO Design Pattern which fetches the data and store in Java Bean class to create opportunities.
* Created the RESTful service and consumed the REST service in various java applications.
* Developed multiple UI screens using Angular JS, HTML, Bootstrap, CSS and JSP. Data driven framework is used to edit the data source configurations to enable similar set of operations (add, edit, update, delete) for all data entities.
* Developed AJAX scripting to process server-side Java Server Pages (JSP) scripting. Interfaced with the back end using Hibernate Framework and XML.
* Created MAVEN archetypes for generating fully functional REST web services supporting both XML and JSON message transformation. Archetypes built on Spring 3.0 technology.
* Used micro services architecture with spring-based services integrating through a combination of REST and Spring Boot.
* Developed Backing beans to handle UI components state and stores that state in a scope.
* Develop internal application using Angular JS and connecting to Oracle on the backend.
* Deployed the application on Apache Tomcat server.
* Performed unit and integration testing for various applications and scripts using JUNIT. Load runner is used to regularly test the performance life cycle.
* Contributed in the development of CVS mobile POS applications.
* Used Log back to print the logging, debugging, warning, info statements.
* Experience working with offshore team and delivering the product on time.
* Involved in bug fixes, enhancements and code refactoring.

**Environment:** Java/J2EE, JavaScript, HTML5, CSS3, Angular JS, Bootstrap, Spring 3.0, micro services, Spring Boot, JDBC, REST, JSP, jQuery, Oracle 10g/11g, Spring framework, Apache Tomcat.

**MVL MEDIA DISTRIBUTORS, Vijayawada, India September 2013 -July 2015**

**Project: Development and maintenance**

MVL Media Distributors is an e-commerce firm specializing in distribution of home entertainment and educational products. The project involves implementation of advanced metric dashboards for the chiefs to analyze and understand data from various sources such as CRM system, newsletters, and e-commerce platforms.

**Responsibilities:**

* Responsible for requirement gathering from the Business Analysts & for preparing the requirement specification document.
* Implemented the user interface using JavaScript, HTML, XHTML, XML, CSS, JSP, and AJAX.
* Used SQL Developer to create new tables and perform CRUD operations in Oracle 11g.
* Used spring framework for Dependency Injection and JDBC connectivity.
* Design HTML prototypes, visual interfaces and interaction of Web-based design.
* Involved in development of custom Servlets handling http request and response objects.
* Create JSP pages for the Customer module of the application. Coded JS utilities file that is commonly used for JS validation.
* Actively involved in code review, performance tuning and bug fixing phases.
* Used Maven as the build tool and CVS as the Source version controller.
* Involved in the deployment of the application in Integration and Implementation environment.

**Environment:** HTML5, CSS3, JSP 2.0, JSON, REST, JDBC, Maven, REST, Oracle 10g/11g, Web services, SQL Developer.

**EDUCATION**

**CENTRAL MICHIGAN UNIVERSITY**, Michigan, USA.

Masters in computer science

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, Kakinada, India.

Bachelor of Engineering and Technology, Computer Science