**Sowmika B**

**Sr. Java Full Stack Developer**

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PROFESSIONAL SUMMARY

* Passionate and exuberant software developer with more than 8+ years of experience in the Banking, Insurance, and Financial areas. Expert in Enterprise software development, solving and dealing in complicated Client/Server Implementation, Web Development, Intranet/web-based n-tier architecture systems, and object-oriented technologies.
* Implemented Graphical User Interface (**GUI**) pages by utilizing **JSP, HTML5, CSS3, JavaScript** and **J-Query.**
* Experienced at using **Perl,** jQuery**,** JavaScript**,** and **JSON** on the front end.
* Created Typescript reusable components and services to consume **REST API's** using Component based architecture provided by **Angular.**
* Expertise in all phases of the **Software Development Life Cycle** (SDLC), including requirements analysis, design specification, code development, code integration, testing, and deployment, also in Object-Oriented Analysis and Design with **Core Java & J2EE**
* Extensive knowledge of **Sybase database** systems.
* Proficient knowledge in **Java J2EE** technologies such as **Struts, Spring, JSP, EJB, JDBC, Servlets, MVC, JSON, Subversion,** and **Clear Case**.
* Extensive knowledge of JavaScript frameworks including **Angular.js, Node.js, and Backbone.js**.
* Experience building the front end of applications using Angular and developing web applications using the MEAN **(MongoDB, Express.js, Angular, Node.js)** stack.
* Used **Java 8 features** like **Lambda Expressions**, Stream API, Default Static methods in interfaces, **Date and Time API**, and Concurrency and parallelism improvements.
* I have a strong working knowledge of the various Spring structural modules, including **Spring IOC** (Inversion of Control), **Spring AOP** (Aspect-Oriented Programming), **Spring MVC** (Model-View-Controller), **Spring DAO** (Data Access Object), **Spring ORM** (Object-Relational Mapping), **Spring Security, Spring Web Flow, Spring Boot, and Spring Cloud**.
* Creating and Maintaining client-side user interfaces using **React JS** and Redux for SPA development.
* Knowledge of how to use the Web Pack build tool to create rich views using **React.js** and the React-Redux architecture for unidirectional data flow.
* **React** and **Redux** development experience for building reusable components and application state management.
* Solid familiarity with **ORM** tools like **Hibernate** and **Spring JDBC**.
* In-depth knowledge understanding of Service Oriented Architecture **(SOA)**, including Web Services like **SOAP, REST, UDDI, WSDL, JMS** (Java Messaging Service),and **JAX-WS**
* Hands - on experience with web servers including **WebLogic, WebSphere Application Server, JBoss,** and **Apache Tomcat.**
* Proficient with Web descriptors like **pom.xml** and **web.xml.**
* Expertise in databases such as **Oracle, MySQL, SQL Server, NoSQL, Mongo DB, Cassandra,** and **IBM DB2** databases to manage tables, views, indexes, sequences, stored procedures, functions, triggers, and packages.
* Working experience of NoSQL DBMS like **MongoDB** as well as RDBMS like **MySQL, Oracle SQL PL/SQL, SQL Server (MS SQL), and DB2**.
* Proficient in **payment processing** using frameworks such as **Spring MVC and JSF**, with a strong understanding of messaging systems like Kafka for secure and scalable real-time payment processing.
* Working knowledge of **CI/CD** (Continuous Integration and Continuous Deployment) using **Jenkins**.
* Proficient with using cloud computing services like **Amazon Web Services (S3), EC2, Lambda service, ELK stack**.
* Involved in writing **Java API** for **Amazon Lambda** to manage some of the **AWS services**.
* Used **JIRA** to test and monitor software or application-related bugs and issues.
* Proficiency in Test-driven development (TDD) programs like **JUnit** and **Mockito** for creating efficient and effective unit tests, mock objects.
* Handled fabric services to be deployed in containers and images, used **Docker** in Linux environment.
* Used **Kubernetes** to deploy scale, load balance, scale and manage docker containers with multiple namespace versions.
* Experience in using Open-Source Frameworks like Junit, **and Log4J** utilized for printing log statements form applications to various output targets.
* Used Splunk platform to collect, analyze, and visualize machine-generated big data from a variety of sources, including logs, metrics, and events.
* Experience in handling end users and troubleshooting real-time issues, such as network, operational, and application problems, in a production environment.
* Involved in configuration and usage of Apache Log4J for logging and debugging purposes. Used RAD as IDE tool to develop the application.

TECHNICAL SUMMARY

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| **Programming Languages** | C, Embedded C, Java, J2EE, Python, SQL, and MATLAB |
| **Web Technologies** | HTML, XML, CSS, JavaScript, TypeScript, jQuery, JSON, JSP, AJAX, DOM, DHTML, XHTML. |
| **Java Technologies** | JDBC, Servlets, JSP, JSTL, Spring MVC, EJB, JSF, JMS, Log4J, Spring Boot, Spring Cloud, Spring Batch, Spring Security. |
| **JavaScript Technologies** | Angular JS, Backbone JS, React JS, jQuery, EXT JS |
| **Development Approach** | Waterfall, Agile and Test-Driven Development (TDD) |
| **Testing Tools** | Karma, Soap UI, JUnit, Mockito, Log4j and JIRA |
| **Application/Web Servers** | Apache Tomcat, Glassfish and Red Hat JBoss, IBM Web Sphere, WebLogic |
| **IDE’s** | IntelliJ IDEA, Eclipse, My Eclipse, PyCharm and Net Beans IDE, Visual studio code, Spyder, Jupiter iPython and MATLAB. |
| **Frameworks** | Spring, JSF, JUnit, Hibernate ORM, Struts |
| **Web Service Protocols** | SOAP, REST, JAX-RPC, JAX-WS, JAXB, WSDL and UDDI |
| **Operating Systems** | Windows, Mac OS, and LINUX (Ubuntu, RedHat, Fedora, CentOS) |
| **Build Tools** | Maven, Ant and Gradle |
| **Databases**  **Cloud Technologies** | IBM DB2, Oracle 9i/10g/11g, SQL Server and MySQL, MongoDB, Dynamo DB, Cassandra  AWS EC2, S3, Dockers, Kubernetes, Elastic Beanstalk EBS, Elastic Load Balancing ELB, API-Gateway, Cloud Foundry |
| **CI/CD Tools** | Jenkins, Bamboo |
| **Project Management Tools**  **Version Control Tools** | JIRA, Rally, Confluence, TFS, Bugzilla.  GIT, CVS, SVN, Mercurial, VSS |

WORK EXPERIENCE

**Client - ADP, 71 Hanover Road, Florham Park July 2022 – Present**

**Role: Sr Java Full-Stack Developer**

**Responsibilities:**

* Involved in all the phases of **SDLC** (Software Development Life Cycle) using the **AGILE Scrum** Methodology. Actively involved in **mock screens** development and project start-up phase.
* Developed new screens for the application using **HTML5, CSS3, JSP, JavaScript and AJAX**.
* Used to update **HTML** pages using **JQUERY, AJAX** via **JSON** to handle client-side validations.
* Designing frontend within object-oriented JavaScript frameworks like **Angular.js**.
* Created Typescript reusable components and services to consume **REST API's** using Component based architecture provided by **Angular.**
* Designed dynamic client-side JavaScript codes to build web forms and simulate process for a web application, page navigation using **Angular**.
* Expand features, refine code, and improve processes, producing smoother operations and enhancing user engagement.
* Implemented client-side form validation, form view results using various components, services, pipes in **Angular.**
* Extensive knowledge of **Sybase database** systems
* Developing single page applications using **Angular, Typescript, HTML5, CSS3,** and **Bootstrap**.
* Implementing or exposing the **Microservices** based on **RESTful** API utilizing **Spring Boot** with **Spring MVC**.
* Wrote **Microservices** to export/import data and task scheduling and **Spring boot,** Spring and Hibernate in the Micro services and Swagger API for **Microservices**.
* All the functionality is implemented using **Spring Boot** and **Hibernate ORM.** Implemented Java EE components using **Spring MVC, Spring IOC, Spring transactions** and **Spring security** modules.
* Used Java 8 features like lambda expressions for communicating between business layer and database, **stream API** for Bulk Data Operations on Collections using both streams and parallel streams.
* Had knowledge on **Kibana** and **Elastic search** to identify the Kafka message failure scenarios.
* Used **Microservice** architecture with **Spring Boot** based services interacting through a combination of REST and **Apache Kafka** message brokers and worked with **Kafka Cluster** using **Zookeeper**.
* Used **Spring boot** for creating decoupled architecture.
* xperienced in **Agile** methodologies for efficient software development.
* Implemented **Spring boot microservices** to process the messages into the **Kafka cluster** setup.
* Highly skilled in **Kafka streaming** and have a track record of delivering successful real-time data processing solutions. used the Kafka Streams API to create a pipeline that ingested data from various sources, performed complex transformations and calculations on the data, and then outputted the results to a database for further analysis.
* Utilized event-driven architecture and knowledge of **messaging systems** such as Kafka to ensure secure, reliable, and scalable real-time **payment processing.**
* Involved in Design and implementing **REST services** using Spring Boot application.
* Extensively used **Node JS, NPM modules** (HTTP, FS, Express, Grunt, Bower, FS)
* Developed **Web services** for the services to get the data from external systems to process the request from client sides.
* Implemented **real-time payments** with Java Spring and MySQL database, integrating payment gateways and user interfaces using **JSF and Spring MVC** for seamless connectivity with payment networks and processing systems.
* Published and consumed **Web Services** using **SOAP, WSDL** and deployed it on WebLogic server Web Server.
* Created controller Servlets for handling **HTTP requests from JSP pages.**
* Used spring framework for integrating the **MVC** components with business services and worked on **Spring MVC** Architecture for web applications.
* Responsible for writing/reviewing server-side code using **Spring JDBC** and **DAO** module of spring for executing stored procedures and **SQL** queries.
* Designed and created the **NoSQL DynamoDB** database to store the application data.
* Used **JSON** for validation, documentation data required by a given application.
* Experienced in Working on modules like **MongoDB** for database persistence using **Nodejs** to interact with **DynamoDB**.
* Built scripts using **MAVEN** that compiles the code, pre-compiles the **JSP's**, built an EAR file and deployed the application on the WebLogic application server.
* Written SQL, PL SQL, HQL queries, Implemented Transaction management.
* Wrote **SQL** queries for **AWS** Database.
* Used **AWS** S3 for multipart upload of data and to host static web content in AWS Cloud.
* Object storage service **Amazon S3** is used to store and retrieve files from different sources.
* Designed and developed the **Amazon EC2** instance to copy the file from mainframe to cloud.
* Designed and developed **CloudFormation** Templates and Scripts by using the programming Language.
* Deploy applications to cloud platforms (AWS, Docker).
* Designed and created the **NoSQL DynamoDB** database to store the application data.
* Involved in creating custom **IAM** policies to various groups and various services. Used **Simple Notification service (SNS)** to trigger the **Lambda function** and send email notifications to business clients.
* Used **Log4j** to capture the log that includes runtime exceptions.
* Used **GIT** as a documentation repository and version-controlling tool and Used **GITHUB** to keep track of source code versioning.
* Experience with cloud platforms AWS, CI/CD tools (Jira, Confluence, etc.) and practices.
* Used Jenkins for CI/CD Continuous Implementation and Continuous Delivery.
* Worked on Hibernate by writing persistence classes. Experience in using Hibernate for mapping Java classes with database and using Criteria API and Hibernate query language (HQL).
* Experience in testing with **JUnit Framework** using **Mockito** and **Spring Junit Runner**, **JMeter**
* Experience with Frontend testing like **Mocha, jasmine, and Karma**.

**Environment:** Core JAVA, J2EE, JSON, JSP, MAVEN, Eclipse, Hibernate, Spring MVC, Spring IOC, Spring Transaction, Spring Security, Spring Boot, Spring JDBC, zookeeper, JavaScript, HTML5.0, CSS3, AJAX, Web services, SOAP, RESTful, Oracle, Web Logic, Apache Kafka, Kafka Cluster, Kafka Streaming, WSDL, DAO, SQL, SOAP, WSDL, SOAP UI, Jenkins, LOG4j, GIT, AWS S3, Amazon EC2

**Client -** **CIGNA, Kansas Aug 2021 – June 2022**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Requirements gathering Analysis, Design, Business logic implementation and Unit testing, Deployment and Maintenance of the Application.
* Modified the UI screens created by web designer using **HTML5, CSS3,** and **JavaScript, React.js.**
* React and Functional Driven JavaScript expert in SPAs, UI Components, Mobile web, and Performance optimization.
* Created custom filter in React.JS in the application and used services to read data from remote server using React.JS.
* Worked in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used React.JS library functions for the logical implementation part at client side for all the application.
* Used **React JS** for **templating** for faster compilation and developing reusable**components**.
* Created reusable **React** components and managed application state with **Redux**.
* Used **redux-form** to manage form state in **redux.**
* Leveraged React.JS resources for all data access, encapsulating URLs, and standardizing data access interfaces.
* Wrote Notification microservice to send notifications via Email, Push and SMS.
* Designed and implemented a **SOA** microservice with a **JSON**, HTTP, REST API’s.
* Utilized Spring annotations and **XML** configuration for Dependency Injection
* Developed the applications using **JSP**, Struts and implemented **Spring** **MVC** Architecture.
* Implemented business tier using **Spring** IOC, **AOP** and **MVC**.
* Performed User Interface Design and coding using **JAVA**, **SPRING** framework and **Web** technologies.
* Utilize Camel to integrate **Microservices** with other Microservices and **RabbitMQ** messaging exchanges. Developed Scripts for AWS Orchestration.
* Integrated the IOC container of Spring Framework, dependency injection and transaction management.
* Configured Persistence-Context in Spring **JPA** and Hibernate as a persistence provider to interact with Oracle database.
* Worked extensively on developing controllers, Interfaces and implementation classes using **Spring** **MVC** **framework** & used Micro service architecture with **Spring** **Boot** based service through **REST**.
* Implemented Spring Security framework in the services.
* Used Object-relational mapping (**ORM**) framework Hibernate for database mapping, supported with DAO, Service, Controller of Spring Boot framework, used Spring Java Persistence API(**JPA**), **Spring** **IOC** methodologies.
* Used **Tomcat Server** running for the application development and deployment and **JIRA** for issue tracking.
* Restful web services using Jersey for **JAX-RS** implementation and to transport detain **JSON** format.
* Designed and implemented a stream filtering system on top of **Apache** **Kafka** to reduce stream size.
* Worked on power DNS on the AWS cloud and maintained it with **MySQL** database.
* Programming scripts for confirming retrieved data in **Oracle** databases.
* Used Java Message Service (**JMS**) with **ActiveMQ** as the middleware to handle the communication between two services.
* Used **Jenkins** for **CI/CD** Continuous Implementation and Continuous Delivery.
* Worked on Amazon Web Service (AWS) EC2 and Continuous Integration with Jenkins**.**
* Designed, Developed and Implemented the J2EE Micro services on AWS EKS using the **Kubernetes**, Docker CE, and Jenkins CI pipeline.
* Extensive use of centralized **Git** repository, for source code management after deploying successful changes into local machine.
* Worked with **Eclipse**, various plug-ins, used Maven to manage project dependency and package code.
* Designed and prepared Unit test cases using **Junit** and **Log4j** and removed the maximum bugs before passing onto the application to the **QA** team.
* Experience in JEST, which is a JavaScript testing framework, used for testing React applications and used tools for testing JavaScript code.
* Experienced in Enzyme, used JavaScript Testing utility for React and to test React components, also to provide a set of APIs for manipulating, traversing, and asserting the output of React components.

**Environment:** Agile methodology, Core Java, Java/J2EE, JDK, Spring Boot, Spring Framework, Spring MVC, JIRA, JAXB, JMS, Linux, JAX-RS, SOAP/Rest, JavaScript, HTML5, CSS, AngularJS, ReactJS, Oracle Database, Git, Junit, Eclipse, JSON, Apache Tomcat, JMS, Maven, AWS, Jenkins, JIRA, Hibernate, Bootstrap, Microservices.

**Client - First Republic Bank, Sunnyvale, CA Nov 2019 – July 2021**

**Role: Sr. Java Developer**

**Responsibilities:**

* Used **Agile methodology** and effectively took part in **Scrum gatherings** to deliver quality deliverables within time (extensively used **Scrum Do** for project Management).
* Used **AngularJS** Controllers and created Directives for each data element using **AngularJS** framework to create a customizable dashboard.
* Responsible for creating **HTML** templates for each tile on the dashboard and used **Bootstrap** framework to handle the layout of the tiles on the dashboard.
* Experienced in writing Hibernate Query Language (**HQL**) for persistence layer.
* Worked as a part of **Agile** team and followed the methodology on a routine and attended regular Scrum meetings held by the Scrum Master.
* Used **Spring IOC** for dependency injection and **Spring AOP** for cross cutting concerns like logging, security, transaction management.
* Based on **ETL** Mapping Specifications, developed the ETL Jobs using **Talend** Integration Suite by using various transformations.
* Developed the **Maven** scripts for preparing **WAR** files used to deploy J2EE components into the server.
* Developed persistence API's that can store data synchronously and asynchronously to **Cassandra** data store with batching.
* Implemented Model View Controller architecture by applying **AngularJS** framework.
* Designed and developed all the user interfaces using **JSP, Servlets** and **spring framework**.
* Developed the **DAO** layer using Hibernate and used caching system for real time performance.
* Designed and developed various modules of the application with **J2EE design architecture, Spring MVC architecture using IOC, AOP concepts.**
* Committed code changes into repository by using version control tool **Bit Bucket**.
* Performed **JUnit** testing for testing all features on the Backend and Frontend.
* Participated in the technical code reviews, prepared unit test cases, detailed time estimation and impact analysis and code review documents.
* Implemented the Web Services functionality in the application to allow access by external applications to the data. Deployed the application in **IBM** **WebSphere** Application Server.
* Used **Grunt** to handle minification, compilation, and unit testing and used Bower to manage all package dependencies.
* Implemented the functionality of fetching of data from different sources and persisted the data through Hibernate, to separate DAO layer from **Database** layer and using core java classes.
* Created Jobs, managed **pipelines,** and scheduled projects for continuous integration/continuous deployment (CI/CD) using **Jenkins**.

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**Environment:** JDK 1.7, AngularJS, HTML5, CSS3, AXIS2, JSP, JavaScript, CSS, IBM WebSphere, Bootstrap, HQL, Cassandra, Junit, Grunt, Bitbucket, SQL Developer, Jenkins, Spring core, Hibernate, Agile Methodology, VMware Fusion, Windows 2007/2010/2015, Mac OS X, Microservices.

**Client - Logic Mind, Hyderabad Sep 2017 – Sep 2019**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Worked on design phase and data modeling, interacted with other team members to understand the requirements for the project.
* Developed dynamic e-mails using JavaScript, and hand coding of **HTML** and **CSS**.
* Developed presentation tier using **JSP**, **JavaScript**, **HTML**, and **CSS** for manipulating, validating, customizing, error messages to the User Interface.
* Responsible for designing and implementing the front end including functional and visual user interface utilizing **jQuery** and **Bootstrap**.
* Developed cross-browser/platform **HTML**, **CSS**, and **AngularJS** to match design specs for complex page layouts while adhering to code standards.
* Developed **ANT** scripts to build and deploy the application in the **JBOSS** Application Server.
* Built Spring based Java and **Scala** micro services to support the application.
* Developed **SQL** stored procedures and prepared statements for updating and accessing data from database.
* Used **SVN** for version control of the application.
* Developed **JUnit** test cases for **DAO** and Service Layer methods to accomplish **TDD** approach.
* Interacted with **quality assurance** team for requirements gathering and analysis
* Coded JDBC calls in the **servlets** to access the **Oracle** database tables.
* Provided Production Support, created **ORACLE** views which were displayed as a report using an existing WEB browser interface.

**Environment:** Java 1.7, Java J2EE, JDBC, HTML, CSS, AngularJS, JSP, Oracle, Ant, JBOSS, JavaScript, REST, SVN, jQuery, Bootstrap, Junit, Microservices.

**Client -Siri IT Innovations Pvt Ltd, Hyd Oct 2014 – Aug 2017**

**Role: Jr. Java Developer**

**Responsibilities:**

* Designed user interface screens using **JSP**, and **HTML**. Used JavaScript for client-side validation, **CSS** for further support.
* Interacted with the business users and collected the requirements. Analyzed business requirements, designed, and recommended solutions over Waterfall Methodology.
* Used JDBC to connect to the Oracle database and developed SQL Queries for performing CRUD operations in Oracle for the application.
* Used **Log4J** to capture the log that includes runtime exceptions. Also Implemented representation layer and provided responsive information by using **HTML**, **CSS**, JavaScript, **jQuery**.
* Developed the GUI using Struts Framework, JSP, Servlets, HTML, CSS, and JavaScript.
* Worked with object-oriented programming concepts such as Inheritance, Polymorphism, and Encapsulation.
* Setting up **Linux servers with Apache Tomcat**, Assisted Database Developers using PL/SQL for managing data associated with the tables.
* Improved the performance and integrity of code by processing thread concepts.
* Implemented the coding standards for improving performance of the Website. (Code Reuse, jQuery chaining, name spacing, CSS selector performance)
* Developed and deployed business logic using session beans and servlets.
* Created various Junit Unit Test Cases by using Test Driven Development (**TDD**) technique.
* Used **Subversion** for version control and **Ant** as a building tool.
* Coordinated with the client and upper-level management, as well as cross-functional teams to test the solutions for production issues and customizations.

**Environment:** Java J2EE, HTML/CSS, Oracle, jQuery, AJAX, SVN, Servlets, JSP, Junit, Linux, Ant, JavaScript, Bootstrap, Waterfall Methodology.

**Education Details:**

Gokaraju rangaraju institute of engineering and technology