**Surekha B**

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Java Full Stack Developer

**SUMMARY**

* 7+ years of IT experience in all phases of **Software Development Life Cycle (SDLC)** such as **Planning**, **Analysis**, **Design**, **Implementation**, **Testing** and **Maintenance** of **Web Based**, **Client-Server** and **multi-tier Architectures**.
* Complete understanding of **Agile** with the ability to co-ordinate team activities in a strict deadline driven environment and maintain excellent client communication.
* Extensive experience of designing and developing software applications with **Java, J2EE, JSP, JSF, Servlets, Hibernate ORM, Web Services, JDBC, JPA, XML, CSS (SASS), SOAP** and **REST**.
* Experience in developing User Interactive (**UI**) Web Pages and visually appealing User Interfaces using **HTML5, CSS3, Bootstrap, JavaScript, Typescript, JSON, JQuery, AJAX, AngularJS, Angular 5/6, Webpack** and **Gulp**.
* Experienced in developing single page applications using **Angular JS, Angular 5/6** using **Typescript** based component development.
* Expertise in Designing and developing interactive Front-end applications using **HTML5**, **CSS3**, **Javascript**, **Typescript** and **AJAX**. Good experience using **Angular**, **Bootstrap** for Responsive Web Design (**RWD**) and **CSS** **media** **Queries**.
* Experience in applying the latest software development approaches including **MVC**, **event** **driven** **applications** using **AJAX**, **Object** **Oriented** (**OO**) **JavaScript**, **JSON** and **XML**.
* Good Understanding of Document Object Model (**DOM**) and **DOM** **Functions**. Experience with optimization and **CSS3** **Code** **Reduction** using **CSS** **Preprocessors** like **LESS** and **SASS**.
* Expertise in **Core** **Java** programming and have a good understanding on **OOPs**, **Collections**, **Exceptions** **Handling**, **Input**/**output** (I/O) **System**, **Annotations**, **Enums**, **Concurrency**, **Multi**-**Threading**, **Lambda**, and **Generics**.
* Proficient with development of **RESTful Micro services** using **Spring Boot, Spring Cloud (Eureka, Zuul, Oauth,etc..)** for exchange of **JSON** and **XML** representations.
* Experience in developing the application using **Spring Boot** and **Microservices** Architecture and deploying the application using **Docker**.
* Expertise in development and deployment of **SOA** and **multi**-**tiered** web-based enterprise applications using **J2EE** technologies like **Servlets, JSP, JMS, JPA, Spring, JDBC** and **Web services** (**SOAP**, **Rest**)
* Experienced in working with **Spring** framework and various modules in spring such as **AOP, Data, Batch, MVC etc.**
* Experience in using and implementing design patterns such as **Model**-**View**-**Control** **MVC**, **Data** **Access** **Object** **DAO**, **Factory**, **Singleton**, and **Business** **Delegate** in the development of multi-tier distributed applications.
* Experience with the **ORM** tool **Hibernate** involving **Connection** **pooling**, **Mappings**, **Transaction** **Management** and **HQL** (Hibernate Query Language).
* Expertise in using **Oracle SQL Developer GUI (Graphical User Interface)** tool for database development, browse database objects, and proficient in **SQL**, **PL/SQL, Views, Functions, Stored Procedures** and **Triggers**.
* Designed and developed custom applications specific to client needs and proficiency in multiple databases like **MongoDB, MySQL** and **ORACLE**.
* Worked on **MongoDB** database concepts such as **locking, transactions, indexes, Sharding, replication, schema design**.
* Experience in Test driven development (**TDD**) using unit testing frameworks such as **Jasmine, Protractor, Karma,** **JUnit** and **Selenium**
* Experienced with **IBM** **WebSphere**, **Oracle WebLogic** and **Apache Tomcat** application servers.
* Experienced in the deployment of the **war** filesusing **Jenkins, Bamboo, Gradle** and **Maven** deploy tools and performing other configuration changes for setting up the application in the integration testing environment.
* Experienced in setting up logging configurations in the applications using **Apache Log4j** and **Logback.** Experienced in working with asynchronous messaging using **JMS** and **Tibco MQ.**
* Experienced in **AWS** Cloud platform and its features, which includes **EC2**, **ELB**, S**QS, RDS** and **S3.** Having good knowledge on using Version Controlling tools such as **SVN, GIT** and project management tools like **JIRA**.
* Experience using **Maven** and **Gradle** build tools to automate the process of generating **Dockerfiles**, building **Docker** **Images** and pushing them to **Docker** **Private** **Registry**.
* Experienced in developing scenarios/unit test cases to perform BDD testing using **Selenium** and **Cucumber.**
* Experienced in working with both **Agile** and **Waterfall** project methodologies**.**
* Good exposure in interacting with clients and solving application environment issues and can communicate effectively with people at different levels including stakeholders, internal teams and the senior management.

**TECHNICAL SKILLS**

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| Languages | Java (JEE 6/7/8), SQL, PL/SQL |
| Technologies | JSP, JSF, Servlets, JDBC, Hibernate4.x, Spring4.0, Spring Boot, Web Services (SOAP, REST), SOA, JMS, AJAX |
| Web Technologies | HTML 5, JavaScript, jQuery, Angular-JS 1.5, Angular 4/5/6, Typescript, CSS3, LESS, SASS, XML1.0, Bootstrap, Webpack, Gulp |
| Development Tools (IDEs) | Eclipse 4.8, MyEclipse6.0, NetBeans7.0, MS Visual Studio 2015, Dreamviewer11.5, Brackets, Atom, Sublime, STS 3.9.5, Visual Studio Code |
| Web/Application Servers | Tomcat 8.x, WebLogic 12.2.x, IBM WebSphere 8.x |
| Design Patterns | MVC, Front Controller, Session Façade, Singleton, Business Delegate and DAO patterns |
| Databases | Oracle 12c/11g, MySQL 5.7, MS SQL Server 2012, MongoDB (3.X) |
| Platforms | Windows, UNIX, LINUX |
| Testing Tools | JUnit 4.x, Jasmine 2.3/2.4, Protractor 2.5/3.0, Selenium 3.0.1 |
| Version Control | SVN, GIT |
| Methodologies | Agile Methodology, Waterfall Methodology |
| Other Tools | Maven 3.x, Gradle3.x, Jenkins, Bamboo, Log4J, AWS, Docker, JIRA, Swagger |

**EDUCATION**

* Master of Science from University of Houston Clear Lake. Aug ’15 - July ‘17
* Bachelor of Technology from Nagarjuna University. Sep ’08 - May ‘12

**PROFESSIONAL EXPERIENCE**

**Client: Vanguard, Malvern, PA November 2020 – Till Date**

**Java/UI Developer**

**Responsibilities:**

* Performed application development following **Agile Scrum** methodology by taking part in analysis, design, coding, unit, and integration testing of business applications.
* Designed and developed web applications using **Core Java, Spring Core, Spring Boot, Spring MVC, RESTful web services, HTML5, CSS3, JavaScript, SASS, Angular 6, Typescript, Bootstrap** and **Postgres/Aurora Postgres.**
* Developed various feature specific modules using **Angular components, modules, services** and **pipes**.
* Developed the application using **Angular CLI** and **Webpack** and took part in developing unit test cases using **Angular test bed utilities** and **Jasmine.**
* Developed various services to perform backend application calls using **Angular** **Http** and used **RXJS** observables to subscribe for responses.
* Built the web application using **Angular** **6**, **RXJS**, and **NGRX** platform. Developed **components** as an independent module for reusability across the application.
* Handled asynchronous responses using **RX-JS** observables and used various operators such as map, retry, catch, throw etc
* Implemented module wide routing in the application using **Angular 6** router for lazy loading components and defining routes for components.
* Created various **Angular route guards** for various routes using angular router module and developed services using angular http module to communicate with backend Rest services.
* Developed Angular unit and integration tests in the application using **Jasmine** and end to end tests using **Protractor**
* Worked on **Core** **Java** concepts such as **OOPs**, **Collections**, **Exceptions** **Handling**, **Annotations**, **Enums**, **Lambda**, and **Generics**.
* Used **Java Collection** components such as **ArrayList, LinkedList, Set and Hash Map, Linked Hash Map** for caching data.
* Developed **RESTful** web services with **Spring Boot** framework in a **Microservices** architecture style
* Developed **REST** clients using **Spring RESTTemplate** and used **Junit, Mockito** and **Mockmvc** to test the **REST** services**.**
* Involved in developing code for obtaining bean references in spring framework using Dependency Injection (DI) or Inversion of **Control (IOC)**using **annotations.**
* Developed the **DAO** layer for the existing applications using **Spring** and **Spring JDBC** for different databases such as **Postgres/Aurora Postgres**.
* Used **JDBCTemplate** and **JDBC** **HikariCP** for various database connections such as **Postgres/Aurora Postgres.**
* Used **Bamboo** and **Maven** for continuous integration in which all development work is integrated and involved in deploying the application to **AWS** environment.
* Supported and enhanced existing applications developed using **Java, Spring, Spring Boot** and **REST** web services.
* Used **GIT** and **Source Tree** to manage the source code.
* **Cloud Watch** is used to monitor the application and to store the logging information.
* Involved in writing **Java API** for Amazon **Lambda** to manage some of the **AWS** services.
* Worked on **RESTful** Web Services for transferring **JSON** data between two interfaces.
* Generated **JSON** format data packets from middle-tier controller to front-end using **Jackson** **JSON** API.
* Worked with **JIRA** and **Log4J** for project management, tracking and monitoring errors.
* Took part in creating confluence documents as per customer requirements.

**Environment:** GIT, Source Tree, JSON, Maven, Bamboo, Spring Boot, STS, Postgres/Aurora Postgres, AWS, Java 1.8, Spring, Spring Boot, Spring JDBC, Spring MVC, REST, Log4j, HTML5, CSS3, JavaScript, SASS, Angular 6, Typescript, Bootstrap

**Client: BNSF Railways, Fort Worth, TX January 2019 – October 2020**

**Java Full Stack Developer**

**Responsibilities:**

* Performed application development following **Agile Scrum** methodology by taking part in analysis, design, coding, unit, and integration testing of business applications.
* Participate in systems implementation, including maintenance, user allocation, design, coding, error removal, logic optimization, systems re-evaluation, testing, user approval, final corrections, and documentation.
* Designed and developed web applications using **Core Java, Spring Core, Spring Boot, Spring MVC, RESTful web services, Microservices architecture, Hibernate, HTML5, CSS3, JavaScript, LESS, Angular 5/6, Typescript, Bootstrap** and **MongoDB.**
* Used **Core Java** concepts such as **Collections, abstract classes, interfaces, Streams, Lambda and inheritance** extensively for the business logic.
* Worked on **Java Collection** components such as **List, Set and Hash Map** for storing the data.
* Developed **RESTful** web services with **Spring Boot** framework in a **Microservices** architecture style
* Worked with **Spring framework** at Business Tier and used **Spring container** for initializing **services** and used **Spring core annotations** for **Dependency Injection** such as **Bean**, **Component**, **Repository**, **Autowired** etc.,
* Worked with **Spring framework** and **Hibernate** tomap to **MongoDB** using **Hibernate** annotations.
* Designed and developed application based on **Spring** framework using **MVC** design patterns.
* Business logic was developed using **Spring** framework and Used **Spring** **AOP** and **MVC** for handling transactions.
* Developed **REST** clients using **Spring RESTTemplate** and used **Junit, Mockito** and **Mockmvc** to test the **REST** services**.**
* Stored the dynamic data on to **Collection Objects** and used the predefined methods to perform all DB related operations.
* Developed business service layer and data access layer using **Spring Boot** and **MongoDB**. Performed CRUD operations like Create, Update, Insert and Delete data in **MongoDB**.
* Supported and enhanced existing applications developed using **Java, Spring, Hibernate, JMS** and **REST** web services.
* Developed various feature specific modules using **Angular components, modules, services** and **pipes**.
* Developed various services to perform backend application calls using **Angular** **Http** and used **RXJS** observables to subscribe for responses.
* Implemented module wide routing in the application using **Angular 5** router for lazy loading components and defining routes for components and sub-components.
* Created various **Angular route guards** for various routes using angular router module and developed services using angular http module to communicate with backend Rest services.
* Developed Angular unit and integration tests in the application using **Jasmine** and end to end tests using **Protractor**
* Involved in developing end-to-end test cases using **Protractor** and worked closely with QA to address defects.
* Used **Maven** build tool to automate the process of generating **Dockerfiles**, building **Docker** **Images** and pushing them to **Docker** **Private** **Registry**.
* Source code management is performed using **GIT** from master repository and knowledge on container management using **Docker** in creating images.
* Setup the continuous Integration (**CI**) and continuous Deployment (**CD**) process for the application using the **Jenkins**.
* Used **Jenkins** and **Maven** for continuous integration in which all development work is integrated and involved in deploying the application-using **Docker** to **AWS** environment.

**Environment:** Agile Methodology, GIT, Source Tree, JSON, Maven, Jenkins, Angular 5/6, Angular CLI, TypeScript, HTML5, CSS3, SASS, Spring Boot, Visual Studio Code, STS, MongoDB, Jasmine, Protractor, Webpack, AWS, Docker, Bootstrap, Java 1.8, Spring, Hibernate, REST, JMS, Log4j, Microservices

**Client: RPR VitalSigns, Phoenix, AZ October 2017 - January 2019**

**Java/UI Developer**

**Responsibilities:**

* Involved in different stages of **Software Development Life Cycle** SDLC including analysis, designing, coding, and testing.
* Designed and developed web applications using **HTML5, CSS3, JavaScript, SASS, Angular 4, Typescript, Bootstrap** and **DB2.**
* Developed various feature specific modules using **Angular components, modules, services** and **pipes**.
* Developed the application using **Angular CLI** and **Webpack** and took part in developing unit test cases using **Angular test bed utilities** and **Jasmine.**
* Developed various services to perform backend application calls using **Angular** **Http** and used **RXJS** observables to subscribe for responses.
* Built the web application using **Angular** **4**, **RXJS**, and **NGRX** platform. Developed **components** as an independent module for reusability across the application.
* Handled asynchronous responses using **RX-JS** observables and used various operators such as map, retry, catch, throw etc
* Implemented module wide routing in the application using **Angular 4** router for lazy loading components and defining routes for components.
* Created various **Angular route guards** for various routes using angular router module and developed services using angular http module to communicate with backend Rest services.
* Developed Angular unit and integration tests in the application using **Jasmine** and end to end tests using **Protractor**
* Involved in developing end-to-end test cases using **Protractor** and worked closely with QA to address defects.
* Used **Java Collection** components such as Array**List, LinkedList, Set and Hash Map, Linked Hash Map** for caching data.
* Developed **RESTful** web services with **Spring Boot** framework in a **Microservices** architecture style
* Developed **REST** clients using **Spring RESTTemplate** and used **Junit, Mockito** and **Mockmvc** to test the **REST** services**.**
* Developed business service layer and data access layer using Spring Boot and **DB2**. Performed CRUD operations like Create, Update, Insert and Delete data in **DB2**.
* Involved in developing code for obtaining bean references in spring framework using Dependency Injection (DI) or Inversion of **Control (IOC)**using **annotations.**
* Developed the **DAO** layer for the existing applications using **Spring**, **Hibernate** and developed various business logic and reports using **HQL** and **Hibernate** Criteria.
* Used **Jenkins** and **Maven** for continuous integration in which all development work is integrated and involved in deploying the application-using **Docker** to **AWS** environment.
* Supported and enhanced existing applications developed using **Java, Spring, Hibernate, JMS** and **REST** web services.
* Used **GIT** and **Source Tree** to manage the source code.
* Took part in creating high-level design documents as per customer requirements.

**Environment:** GIT, Source Tree, JSON, Maven, Jenkins, Angular 4, Angular CLI, TypeScript, HTML5, CSS3, SASS, Spring Boot, Visual Studio Code, STS, DB2, Jasmine, Protractor, Webpack, AWS, Docker, Bootstrap, Java 1.8, Spring, Hibernate, REST, JMS, Log4j, Microservices

**Client: AmerisourceBergen Corporation, India January 2014 - June 2015**

**Java Full Stack Developer**

**Responsibilities:**

* Involved in different stages of **Software Development Life Cycle** SDLC including analysis, designing, coding, and testing.
* Implemented all web applications with **object-oriented principle** and **design patterns.**
* Designed and Developed User Interactive (UI) Web pages using **HTML5,** **JavaScript,** **Angular JS, Gulp,** **Bootstrap** and **CSS**
* Used Angular **dependency** **injection** to inject dependencies in the application controllers.
* Worked with **Angular Http** service to make backend **REST API** calls.
* Implemented core features of **AngularJS framework** such as **dependency Injection, Data-binding, Filters, Directives, Templates, Services** and **Deep Linking.**
* Refactored and enhanced the **AngularJS** application to follow **MVC** pattern for improved source maintenance.
* Worked with various **Angular** inbuilt directives such as **ng-model, ng-bind, ng-controller** etc.
* Created **Angular** **Http** **interceptors** to handle errors and for token authentication and authorization.
* Worked on the **MVC** architecture of **AngularJS** in developing the **controllers** and **directives** which are totally customized to meet the needs of the application.
* Developed UI build scripts to perform various **build** **tasks** such as minification of CSS,JS, execution of tests etc using **Gulp**
* Developed Angular **unit** and **integration** tests using **Mocha**, **Chai** and mocked services using **Sinon.js** and end to end test cases using **Protractor** and automated their execution as a part of build.
* Developed the **DAO** layer for the existing applications using **Spring**, **Hibernate** and developed various business logic and reports using **HQL** and **Hibernate** Criteria.
* Developed various **Rest Controllers** using **Spring Boot** and created request mappings for various **HTTP** methods.
* Worked with **Spring framework** and **Hibernate** tomap to **MySQL database** using **Hibernate** annotations.
* Involved in setting up the application to run on **AWS** environment on multiple **EC2** instances with **ELB's** using **Bamboo**.
* Responsible for maintaining the code quality, coding and implementation standards by code reviews.
* Created various unit test cases and integration tests for the **DAO**, **Service**, and **Controller** components using **Junit, Mockito, Mock MVC** and **RestAssured.**
* Worked with **JIRA** and **Log4J** for project management, tracking and monitoring errors.
* Updated legacy **Ant** build infrastructure to new **Gradle** based build system, enabling more robust test, build and release procedures.
* Used **Git** as version control tool and **Git Bash** (GIT Command line) to manage the source code.

**Environment**: Java 1.8, My SQL, HTML, Javascript, Gulp, AngularJS1.5, Bootstrap, CSS, JQuery, AJAX,MySQL, Spring, Spring Boot, Hibernate, Eclipse, Atom, Restful Web services, Gradle, Junit, Jira, GIT, Git Bash, log4j, Bamboo, AWS.

**Client: CEVA, India August 2012 - December 2013**

**Java Full Stack Developer**

**Responsibilities:**

* Involved in Full Cycle of Software development from **Analysis** through **Design**, **Development**, **Integration** and **testing** phases.
* Designed and implemented application using **JSF MVC, Prime faces, Jquery, Javascript, CSS, Spring IOC**, **Spring annotations**, **Spring AOP**, **Spring Transactions**, **Hibernate**, **SQL**, **Tibco MQ**, **Oracle**.
* Developed **JSF** managed beans and worked with various **Primefaces** components such as grids, tables, trees etc...
* Worked with various **JSF** core and html components and used **JSF** implicit and explicit navigation techniques.
* Worked with **JSF** **ajax** features for partial page renderings and to make **async** requests to managed beans.
* Worked with **JSF** **prime** **faces** library and its components for the development of UI pages.
* Developed **Web services** to allow communication between applications through **RESTful** over **HTTP** using **ApacheAxis2**.
* Extensively used **Spring IOC**, configured Application Context files and performed database object mapping using **Hibernate** annotations.
* Developed various batch jobs using **Spring** and **Quartz** schedulerdeployed them on **WebSphere** application Server 8.0.
* Worked with **Hibernate** **JPA** for mapping business objects to the **Oracle** database
* Automate build process by using **Maven** and used **SVN** version control tool. Configured and customized logs using **Log4J**.
* Troubleshooting of high volume and transaction and connection pool related issues in production and refactored code to fix the issues.
* Took part in code reviews, application deployments, establishing CI/CD **Jenkins** process, creating **ansible** playbooks for **AWS** cloud deployment.

**Environment**: Java 1.6, J2EE, HTML, CSS, JSF, Primefaces, Tibco MQ, Spring, Hibernate 3.0, RESTful, Axis2, WebSphere 8.0, Maven, Oracle12c, SVN, XML, JSON, Log4j, jQuery, jQuery -UI, Windows.