**Mounika**

**Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Over **6 years** of experience involving all phases of Software Development Life Cycle (**SDLC**) including planning, analysis, design, implementation, testing and maintenance of Multi-Tier distributed, secure enterprise applications using **Java/J2EE technologies** in **Banking, Insurance and Communication.**
* Experience in application development using Software development methodologies such **as Agile, Waterfall development and TDD (Test Driven Development) environments**.
* Expertise in **Core Java** concepts of **Java/J2EE** like **JSP**, **Servlets**, **JSF, JSTL, EJB** transaction implementation (CMP, BMP, Message-Driven Beans), **JMS, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data Structures** etc.
* Experience in User Interactive (UI) Web Pages and visually appealing User Interface using**HTML5, CSS3, jQuery, Ajax, JavaScript and PHP.**
* Extensively worked on XML related technologies like **XML, XSLT, XPATH, XSL, DTD and DOM**.
* Responsible for creating a microservice system using **Java 8** with **Spring Boot, RESTful API, SOAP API** and experience with **Java 8** features like **Stream, Lambda expressions** and **Filters**.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA** for mapping Java classes using **Hibernate Query Language (HQL)**, **HSQL Named Queries**, **Criteria**, **and Projections.**
* Experience in database modelling, design and development of **PL/SQL stored procedures**, packages in relational databases like **Oracle 9i/10g / 11g, SQL Server 2005/2008 and MySQL**.
* Experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB, Cassandra and Couch DB.**
* Experienced in implementing Service Oriented Architecture and Web Services such as **SOAP** using **WDSL**, **JAX-WS** and **REST** using **Spring Boot, Apache CFX, JAX-RS and Jersey Frameworks**.
* Hands on experience in configuration and deployment of multi-tier applications using servers like **Apache Tomcat, WebSphere, JBoss** and **WebLogic.**
* Knowledge on Spring Framework like **Spring Core, Spring DAO, Spring IoC, Spring MVC, Spring ORM, Spring AOP, Spring Boot** and **Spring Web flow**.
* Involved and developed various phases of security implementation using **Spring Security** system against all types of authentications like **LDAP authentication**, **Basic authentication** and **Pre-Authentication**.
* Having knowledge on (JMS) MQ’s like **Kafka, Rabbit MQ** and **Active MQ**.
* Hands on experience with version control tools like **SVN**, **GIT** and **CVS**.
* Experience in using **Jenkins** for CI/CD process and creating **Docker** images and containers.
* Experience in using Automation tools like **Selenium** and **Cucumber**.
* Hands on experience with build tools like **ANT**, **Maven** and logging tools like **Log4j and SLF4J**.

**TECHNICAL SKILLS:**

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| **Languages** | **C, C++, Java/J2EE, SQL, NoSQL.** |
| **Web Technologies** | **HTML5, XHTML, DHTML, CSS3, JavaScript AJAX, jQuery, AngularJS/2/4, React JS, Bootstrap** |
| **Java/J2EE Technologies** | **J2EE, Servlets, JDBC, EJB, Hibernate, Spring MVC, Spring Boot, Spring Security, SOAP, REST** |
| **Application/Web Servers** | **IBM WebSphere, Apache Tomcat, WebLogic** |
| **Relational Databases** | **Oracle 9i/10g/11g, DB2, SQL Server, MySQL, Mongo DB** |
| **Cloud Environments** | **AWS, Pivotal Cloud Foundry** |
| **IDE** | **Eclipse, NetBeans, IntelliJ IDEA, Spring Tool Suite (STS).** |
| **Operating system** | **Windows, Linux, Unix** |
| **Methodologies** | **Agile, Waterfall TDD (Test-Driven-Development), Scrum** |
| **Build Tools** | **Maven, Gradle, Log4J, Jenkins** |
| **Version Control** | **CVS, SVN, GIT, JIRA** |
| **Web Services** | **SOAP, RESTful, JAX-WS, JAX-RPC, JAX-RS, JAX-P, JAX-B** |

**TECHNICAL EXPERIENCE:**

**Client : T-Mobile, Bothell WA** **Duration: Jan 2018 - Till Date**

**Role : Full Stack Developer**

**Description: T-Mobile is a leading Telecom Domain company based in USA. T-Mobile Equipment Installment Program (EIP) team works with clients to help their customer’s finance their Mobile devices from various available installment plans introduce new plans and calculate down payment and monthly Installment using Credit Information of an end user. Also, helps them Return or Exchange their Mobile. Device and upgrade to a new mobile device using jump Upgrade Option.**

**Responsibilities:**

* Followed **Agile methodology** and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **JIRA** as a tracking tool for the sprints.
* Design and developed the application using framework **Angular 4**with **HTML5, CSS3** and **Typescript.**
* Developed UI components using **Angular 4 dependency Injection**, Models, data binding, controllers.
* Developed application using **Java 8** to implement its features like **lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, foreach.**
* Used **Spring Security** for Validation and authentication on the **Client side, session fixation.**
* Design and Development of business components using **Spring IOC, Spring Annotations, dependency injection,** transaction management through Spring framework.
* Developed **Microservices** with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each Microservice in a cluster can be load balanced and exposed through one API gateway.
* Developed **Spring Restful/Microservices** and implemented **Spring Eureka, Netflix, Ribbon** as part of Services Discovery using Apache Axis.
* Used **Microservice** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Employed **fail safe** and **circuit breaker patterns** for the first time in Client’s email applications using **Hystrix** and **Hystrix Dashboard** in **Spring Boot** Micro Service Applications
* Worked on **Swagger** UI to interact with the API’S. Designed and documented APIs using **Swagger**
* Configured **Hibernate** Cfg.xml to facilitate connection pooling with Data Source and create **POJOs** to map with backend tables.
* Implemented the associated business **modules integration** using **spring** and **Hibernate data mapping.**
* Implemented Object-relation mapping using **Hibernate framework** to fetch the data from **Oracle 11g**.
* Developed **Mongo DB** Data Access Layer implementing **Mongo Repository** interface from **Spring Data.**
* Proficient at development of web-based application using **Apache Tomcat**, **JBOSS 7.0.**
* Used **JUnit, Mockito** for the unit and integration testing of various modules
* Developed **Maven scripts** and developed builds using **Maven** and continuous integration servers as **Jenkins**.
* Resolved bugs/defects by coordinating with team members to assure a positive outcome using **Jasper**.
* Using **GIT** for Source Control and Version Management and using **log4j** for logging.
* **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation using **Jenkins**
* Implemented Micro Services based cloud Architecture on **AWS** platform for deployment.
* Initiated Microservices application with **Docker** and **Kubernetes** cluster formation for the scalability of the application.
* Designed new Strategies for optimizing all aspects of the **CI**, release and deployment processes using latest container and virtualization techniques like **Docker** and **Kubernetes**
* Created the **Docker** containers and **Docker** consoles for managing the application life cycle.
* Containerized Microservices by creating **Docker images** from **Docker file** collaborated with development support team to set up a continuous deployment environment using **Docker**.
* Proficient in writing **AWS Cloud Formation** template to create customized **VPC**, **subnets, NAT, EC2 instances, ELB, Security groups, S3, IAM.**
* Experience in automating the infrastructure and managing the application in AWS using web services.

**Environment:Angular 4, HTML5, CSS3, JavaScript, jQuery, AJAX, JSON, TypeScript, Jenkins, GIT, SVN, Rest, log4j, Hudson, Spring MVC, Spring boot, Apache Kafka, Docker, JAX-RS, Junit, Mockito, Oracle, SOAPUI, Postman, Ec2, AWS lambda, Hibernate, Oracle 12, MongoDB.**

**Client : Bank of the West, Mission Viejo, CA Duration: Sep 2016- Dec 2017  
Role : Java/ J2EE Developer**

**Description:**The Scope of this project (Legal Entity On boarding) is to obtain and check the pre-requisites of thecustomers to avail account in Bank of the West. CRM deals with this, and risk plays a role in this process. Risks varydepending on the country rules as identity and credit track of the customer. It uses BPM (Business ProcessModelling) to increase process speed or reduce cycle time, to increase quality.

**Responsibilities:**

* Involved in requirement analysis, design, development, testing of application using **Agile** methodology.
* Used **AWS** (Amazon Web Services) as a cloud platform to deploy the application.
* Leveraged **AWS** cloud services such as **EC2**, auto-scaling and **VPC** to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Used **Amazon IAM** to grant fine-grained access to AWS resources to users. Managed roles and permissions of users to AWS account through IAM.
* Experience in Integration of **Amazon Web Services**, **AWS** with other applications infrastructure.
* Utilized **S3** buckets and **Glacier** for file storage and backup on AWS cloud.
* Developed various helper classes necessary using **Multi-Threading**.
* Developed Interactive web pages using **AngularJS**, **HTML5**, **CSS3** and **JavaScript**.
* Developed client-side application with **React** in a clean **Model View Controller (MVC)Architecture.**
* Developed user interface by using the **React.js,** Flux for **Single page application** (SPA) development.
* Experience in **React js** Libraries like redux thunk, redux saga. Experience with modern build tool chains, like JavaScript frameworks/technologies such as **Express.js, Angular.js, React.js and Node.js.**
* Used **NodeJS** (Express) to create API which can provide or consume JSON.
* Integrated the **IOC** container of **Spring** Framework to handle the creation of beans, dependency injection and transaction management.
* Used **Hibernate ORM** to integrate with business application with Oracle Database where **Hibernate template** is used to implement business logic. Created XML configuration file for **Hibernate Database connectivity**.
* Consumed Web Services by implementing Spring's **REST** support for development of **RESTful Web services**.
* Created **Shell script** to deploy resource bundles on different environments.
* Worked with **Git** Version control system to track various aspects of the project.
* Used **Maven** as build tool on Java projects for the development of build artefacts on the source code.
* Used **Log4j** logging framework to write Log messages with various levels for logging across the application.
* Execute finished output and supporting documentation for banking requirements
* Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**.
* Developed test cases using **JUnit** and **jMock** for unit testing as well as integration testing as part of **Test-Driven Development (TDD).**
* Interacted with Business Analysts to come up with better implementation designs for the application. Provided production support for the application.
* Involved in testing, debugging, bugs fixing and documentation of the system.

**Environment: Java 7, J2EE, Spring MVC 3.0, Hibernate 3.0, JSP, AngularJS, Node.js, HTML5, CSS3, JavaScript, AWS(VPC, EC2, IAM, Route53, Lambda, ELB, S3), RESTful web services, Rabbit MQ, ESB, Shell Scripts, Git, Maven, Log4j, Cassandra, Oracle 11g, Docker, JUnit, jMock.**

**Client: TD Auto Finance, Farmington Hills, MI Duration: Nov 2015 – Aug 2016**

**Role : Java Developer**

**Description:** TD Auto Finance is a financial-services provider. The Financial Agent workbench (FAW) web application is the one which interacts with both the dealers and purchases providing financial products and services. FAW is a CRM tool for agents in the USA and Canada who located in various call centers. The tool is also used by Farmington Hills to provide legendary support to Customer services and Collection Centers. The scope of this project is to incorporate the functionality related to “Agent Activity” from the current collections application (CASS) in support of building Customer Account Rules Engine (CARE) application.

**Responsibilities:**

* Worked on **Agile** methodology including team-based design and code reviews.
* Actively involved in Requirement Analysis, designing, development and testing of the entire application.
* Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, AngularJS, and Bootstrap.**
* Enhance and modify the presentation layer and GUI framework that are written using JSP and client-side validations done using JavaScript.
* Implemented navigation using **Spring MVC** controllers, configured controllers using Spring MVC annotations and configuration files.
* Implemented spring framework **Bean Factory** &**Application Context** for bean initialization and configurations.
* **Spring AOP** is used for logging, auditing, and security and transaction management to distinguish business logic from the crosscutting concerns.
* Implemented the back-end functionality of the modules using **Singleton** and **Session Facade** design patterns.
* Configured **Hibernate configuration** files to persist the data to the **Oracle 10g Database**.
* Configured **Hibernate** objects as Spring Beans in Spring Configuration File.
* Involved in development of POJO classes and writing **Hibernate Query Language (HQL)** queries.
* Asynchronous messaging is done using **JMS** and created **Queue** for point to point messaging.
* **Developed REST web services using Spring MVC to extract client related data from database andused SOAP UI for testing these RESTFUL API web services.**
* Implemented **Service Oriented Architecture (SOA)** by developing and consuming **RESTful** web services based on **JAX-RS** and **Jersey**.
* Designed and implemented Java Classes to use JAXP parser to create Java objects to be able to modify the data received in the response.
* Implemented Core Java Concepts such as **Multi-Threading**, **Exception Handling** and **Collections** when needed.
* Handled **Multi-Threading** part in the back-end component, one thread will be running for each other.
* Worked with **DB2** and wrote SQL Queries, Stored Procedures, triggers, views and integrated SQL Queries into DAO.
* Deployed the application on **Tomcat** Application Server.
* Used **Log4j** logging mechanism for logging.
* Used **SVN** for versioning and concurrent access to the project files.
* Resolving spring framework artefacts and code build & deployment with **Maven**.
* Used **JIRA** for defect and issue tracking.
* Used **Jenkins** for continuous integration/continuous deployment.
* Automated regression test cases using **Selenium**.
* Coordinated with testing team for timely release of product.

**Environment: Java, J2EE, Spring MVC 3.0, Hibernate 3.0, HTML, CSS, JavaScript, React JS, JMS, SOAP, Axis2, Maven, Jenkins, DB2, Selenium, Log4j, SVN, JIRA, Tomcat 6.0.**

**Client: JH Softech, India** **Duration: May 2013- Oct 2015**

**Role : Associate Software Engineer**

**Description:** JH Softech is a software developer company. It provides software skills, adopting new and improved technologies on a regular basis operation, client base, geographical reach, service offerings, and volume of business, target markets, revenue and profits.

**Responsibilities:**

* Involved in requirement analysis, design and development of the application.
* Created the design using class diagrams and sequence diagrams.
* Implemented **MVC** architecture using **JSP, Servlets and EJB.**
* Developed web Components using **JSP, HTML, CSS and JavaScript.**
* Extensively used XML documents with XSLT and CSS to translate the content into HTML to present to GUI.
* Developed **EJB** middleware components to implement business objects and business logic of the system.
* Used **JDBC** to establish connectivity to the database for performing the database operations.
* Created and modified Stored Procedures, complex SQL Commands for the application using PL/SQL.
* Deployed the application on **WebSphere** application server.
* Involved in enhancements of the system and worked on fixing bugs and supporting the entire system.

**Environment: Java 5, J2EE, JSP, HTML, CSS, JavaScript, XSLT, Servlets, EJB, JDBC, WebSphere 7.0, Oracle 10g, PL/SQL.**