**Mounika**

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**PROFESSIONAL SUMMARY**

* **Certifications: AWS Certified Developer - Associate**
* **R**esults induced software professional with 8+ years of experience in IT industry by involving in complex multi-tier & N-tier distributed application applications and also gained solid hands on experience in working with loosely couple & reusable microservices.
* Involved in all phases of Software Development Life Cycle (SDLC) Methodologies like **Agile and SAFe** (Scaled Agile Framework) in which there are multiple SCRUMs operating parallel and each SCRUMS has different Iteration/Sprints planning.
* Solid hands on experience with Core Java, Object Oriented Programming Principles like Class, Object, Inheritance, Polymorphism, Abstraction, Encapsulation with strong understanding and working Knowledge of Collections, Multi-Threading, Exception Handling, Data Structures and Polymorphism
* Hands on experience in **Amazon Web Services (AWS)** provisioning and good knowledge on AWS services like Elastic Container Service (**ECS**) & Elastic Compute Cloud (**EC2**), Simple Storage Service (**S3**), **AWS Lambda**, Auto Scaling, **IAM**, Virtual Private Cloud (**VPC**), **Route53**, **Cloud Watch, AWS CLI**, Cloud Formation, ALB (Application Load Balancers), **RDS, SNS**.
* Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8.
* Deployed Spring Boot based **Microservices** using **Docker container** and Amazon EC2 container services and using AWS admin console and Strong Hands on experience in development and deployment of cloud native Spring Boot based micro services.
* Solid hands on experience in various Spring Framework modules such as **Spring MVC, IOC, AOP, JDBC, JPA, Spring Batch, Spring Boot, Spring Microservices, Spring REST.**
* Proficient in applying design patterns like **MVC, Singleton, Session Facade, Service Locator, Visitor, Observer, Decorator, Front Controller, Data Access Object**.
* Worked extensively in various monolithic & large-scale n-tier applications which uses Java & J2EE technologies like **Servlets, JDBC, JSP, Spring, Maven, Hibernate, Restful Web Services, SOAP**.
* Experienced in migrating APIs to Microservices architecture from Monolithic architecture without impacting the business.
* Extensive experience in designing responsive & mobile first approach UI applications using front-end technologies like **Bootstrap, SASS, Angular Framework, HTML5, CSS3, React JS, Typescript, JavaScript, jQuery AJAX**, JSON and various libraries.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA** Entities for mapping Java classes using **Hibernate Query Language (HQL), HSQL Named Queries, Criteria, Projections.**
* Experience in Service Oriented Architecture (SOA), Web Services Integrations using WebSphere application Server, Web Sphere Integration Developer.
* Strong hands on experience with **MongoDB development (reports, schema design, map reduce functions)** and migrations from SQL relational databases to NoSQL databases like MongoDB, Cassandra and CouchDB.
* Experience in database modeling, design and development of **PL/SQL queries, Stored Procedures, Triggers, Cursors**, Functions and Packages in relational databases: Oracle 11g, SQL Server, DB2 and MySQL.
* Experienced in working on Agile operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Have good hand-on experience in build and release tools such as **Git, Jenkins, Chef, Docker, Groovy**.
* Hands-on experience working with RabbitMQ as a messaging server (to publish and consume the messages) between our micro services.
* Experience with different Servers like **Apache Tomcat, Jetty, Web Sphere, Web Logic and JBoss**.
* Experience in Release management activities including production deployment and support.
* Experience with Spring Kafka and Zookeeper apart from JMS as messaging service.
* Proficiency in developing **SOAP Webservices (JAX-RPC, JAX-WS), RESTful webservices (JAX-RS).**
* Knowledge and hands on experience with Relational Databases like Oracle, IBM DB2, MySQL, Postgres SQL and Non-Relational Database MongoDB.
* Hands-on experience on CICD pipelines with DEV ops technologies like **Jenkins, Sonar, Cloud Foundry and Docker**.
* Hands on experience on developing application with **Node Js**.
* Good experience maintaining the project in **GitHub, Bit bucket, SVN and CVS** version control repositories.
* Experience in using the Log4j framework for Logging Java Application.
* Extensive experience in IDE tools like IntelliJ, Eclipse and Net Beans.
* Hands-on experience working in Linux, Windows, Mac OS and UNIX environments.

**TECHNICAL SKILLS**

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| **Programming Languages** | Java 1.6, 1.7,1.8, JavaScript, TypeScript, PL/SQL |
| **Java/J2EE Concepts** | Servlets, JMS, JDBC, Junit, Webservices, JSP1.2,2.1, JSP-EL, JSTL, Custom Tags |
| **Web Technologies** | Java script, JQuery, HTML, CSS3, SCSS, ExtJs, AngularJS, Bootstrap, AJAX, Velocity Template, Angular framework, HTML5, React JS, NodeJS |
| **Frameworks** | Spring Framework 3.x/4.x/5.x, MVC, Hibernate, Angular Framework, Mockito, Junit |
| **Database Tools** | Toad for Oracle, Toad for MySQL, Oracle SQL developer, DB Viewer, Mongo Compass, PG Admin, Robo Mongo, MySQL Workbench, |
| **Databases** | Oracle 9i/11g/12c, IBM DB2, Mongo Database, MS-SQL Server, PostgreSQL |
| **Web Services/Specifications** | SOAP Webservices (JAX-RPC, JAX-WS), RESTful webservices (JAX-RS) |
| **Web/Application servers** | Apache Tomcat, IBM WebSphere, Jetty, Web logic, JBoss |
| **Cloud Technologies** | AWS (EC2, S3, SNS, CloudWatch, Cloud Formation Template, RDS, VPC, Auto Scaling, IAM), PCF, Docker |
| **Version Control** | Tortoise SVN, Rational Clear case, GitHub, CVS |
| **IDEs** | Eclipse, Spring tool suite (STS) IntelliJ, Net beans, JDeveloper. |
| **Build Tools** | ANT 1.7,1.8,1.9, Maven, Gradle, Jenkins, Hudson |
| **White box Testing** | Junit 3, Junit 4, DB Unit, Mockito, Load Test, Timed Test, Selenium, Easy Mock, Power Mock |
| **Black box Testing** | JMeter, Load UI, Load Runner, HP Quality Center, Win Runner, |
| **ORM Fra ORM Frameworks** | Hibernate 3.0,3.1,4.1, OpenJPA |
| **Methodologies** | Agile (XP, Scrum), SAFe, Waterfall, Kanban |
| **Batch Jobs** | Quartz Scheduler, Cron, Spring Batch |
| **Templating** | Velocity, Free marker |
| **Operating systems** | Windows 10/7/XP, UNIX, AIX, OEL, Mac, Linux Sun Solaris. |

**PROJECTS SUMMARY**

**Western Southern, Cincinnati, OH (May 2018 ­­- Present)**

**Full Stack Developer**

**Project: Price and Pay Management (PPM)Description:** This project is for online accounts and bill-pay process. The system is developed to provide online account information. It is a complete online accounts solution. Front end includes web pages such as login, user profiles, user accounts, bill payment, viewing transactions.

* Involved in the discussions with business users & participated in design meetings, future estimations, and Software Requirements Specifications.
* Followed Agile/Scrum process, involved in sprint planning, scrum calls, Planning, Retrospective, Reviews and Grooming.
* Implemented responsive UI rich web applications with **React JS,** **HTML5, CSS3, SCSS, Bootstrap and Angular frame works.**
* Designed front-end user interfaces with **React JS** by creating many components and modules.
* Used **Java 8** new features like default, static methods and Concurrency API to maintain **Interface** compatibility and **concurrency** in the project.
* Responsible for creating efficient design for user experience using **Angular8**.
* Experience in Java 8 Method References feature to point to methods by their names and used functional Interfaces.
* Implemented simple event listeners / callbacks, or in **functional programming** with the Java Streams API using **Lambda expressions**.
* Used latest **Spring boot stack**, which is radically faster in building **cloud based micro services** with very minimal configuration.
* As part of business requirement, I’ve developed several **spring boot based micro services** using spring rest & event driven microservices.
* Involved in writing of multiple batch jobs using **Spring Batch framework** where we configured both annotation & xml-based configuration to support various business functionalities.
* Implemented **Spring JPA & ORM** framework to interact with the database to perform all the crud operations based on business use cases.
* Mapped the objects with the Database using **Hibernate Query Language (HQL)** as the Persistence Framework.
* Supported in creation team’s **AWS Infrastructure** while coordinating with network engineering team on building subnets creation and Security groups creation and firewalls rules implantation.
* Used **Streams and Lambda expressions** available as part of **Java 8** to store and process the data.
* Define the API contracts with consumers and secure the **APIs** for any unauthorized access using APIGEE, **OAuth2 authorization** framework.
* Generated swagger documentation for rest services and exposed it external teams by using spring fox swagger library.
* Extensively used **Apache Kafka cluster** to publish & subscribe events from application which are fault-tolerant, resilient and horizontally scalable.
* Automate the continuous integration and delivery **(CI/CD) with Jenkins** build pipeline.
* Oversee all aspects of quality assurance using **SonarQube** for establishing metrics, applying industry best practices and processes to ensure quality goals are met.
* Participate in all types of testing (Functional, Regression, Integration and End-to-End testing).
* Prepare the 'Go Live' plan and manage the assigned activities in the plan with smoke testing.
* Test and support ‘Change Requests’ during production implementation and troubleshoot any issues that come up during the production implementation.
* Perform **RCA (Root Cause Analysis)** by analyzing logs using **Splunk** and enable Auto Email for failed jobs in Splunk.
* Monitoring and creating Dash boards in Splunk and enabling Auto Email for failed jobs.
* Involved in writing of test cases using **Junit and Mockito framework** and maintained a branch coverage **above 85%** which is a mandatory requirement.
* Developed angular unit test cases to test angular components using Karma and Jasmine.
* Supported our legacy portal which was implemented with **Spring MVC architecture**.
* Implemented Fallback and Circuit breaker using **Hystrix** for Restful webservices which is an additional layer of fault tolerance and fail-safe handling.
* Followed Acceptance **Test Driven Development (TDD)** with the help of **Cucumber** framework where we automated the test execution of each feature we developed.
* Hands on experience in build **Jenkins CI/CD pipelines**, which used to automate deployment.
* Used Github/Jira/Confluence tool part daily routines.
* Mainly involved in 24x7 support, Maintenance, and enhancement of the application.
* Involved in configuration setting for Development, Test, and Production Environment.
* Interacted with clients on project related issues and handled bugs in timely manner.

**Tech Stack**: Java 1.8, Spring framework, spring-boot, Restful webservices, AWS Infrastructure, cloud formation template , Angular framework, Bootstrap, React JS, Type script, Java Script, JQuery, HTML5, CSS3, JPA GIT Hub, Jenkins, JSON, Groovy, DB2, Gradle, Junit, Mockito framework, Swagger, postman, MongoDB, Jira, Jenkins, maven, karma, mocha, Jasmine.

**SpartanNash, Byron Center, MI (April 2016 – Apr 2018)**

**Java Developer**

**Project: FP-Technical Insite (Promotional Ordering Engine Enhancements)**

**Description**: POEE is about Creating a new promotional Ordering Engine application platform on Insite by Consolidating existing deal, allowance and promotional data into single database and Assign the allowances and capture the deals how vendors and category managers does by mainly dealing with better leveraging data from ODS. Giving retailers the ability to have multiple pending orders in their cart and Auto submit orders.

* Gathered requirements and specifications by communicating effectively with business users.
* Participated with architecture team in technical evaluations, solution and design approaches discussions.
* Involved in writing of multiple responsive application which is based on Angular framework where we consumed the restful services via angular http module.
* Developed presentation layers using **Bootstrap, HTML5, CSS3**, and other useful libraries to build single page application.
* Created reusable typescript components and services to consume **REST API's** using Component based architecture provided by Angular.
* Developed application using **Java/J2EE technologies, Spring MVC, Spring Security, AOP, IOC**.
* Developed **REST Web services** to make web service calls simple and easy for the client to access it with the help of standard HTTP URIs.
* Used Spring IOC for dynamic bean injection and **Spring AOP** to modularize cross-cutting concerns in aspects.
* Used **Spring Batch to setup batch jobs** to email the daily reports and that which run on Pivotal Cloud Foundry (PCF) with Spring Boot as its MVC layer.
* Developed **DAOs using JPA, hibernate persistence API** for the database operations to interact with Oracle Database.
* Decouple legacy infrastructure into several independent Microservices where we used Spring Boot Framework for making application smaller and independent.
* Developed back-end logic with Core Java using technologies including Collection Framework, Multi-Threading, Exception Handling, Generics and Annotations.
* Designed REST API’s that allow sophisticated, effective and low-cost application integration.
* Implemented Angular Router to enable navigation from one view to the next as customer performs application tasks.
* Experience with creating custom directives, decorators, and services to interface with both restful and SOA services
* Created several reusable typescript components and directives, used angular http client module to consume the restful services.
* Guided testing team and helped them in develop **cucumber-based automation test cases** (ATDD) framework which we used to test our restful services.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing.
* Followed Acceptance Test Driven Development (TDD) with the help of Cucumber framework where we automated the test execution of each feature we developed.
* Involved in writing of test cases using Junit and Mockito framework and maintained code coverage.
* Hands on experience in configuring Jenkins build jobs for various services to facilitate continuous integration.
* Used JIRA for bug tracking, issue tracking and project management.
* Used Maven to build, run and create JARs and WAR files among other uses.
* Used Spring IOC, Auto Wired POJO and DAO classes with Spring Controller.
* Created numerous test cases using JUnit framework and JUnit for front end UI testing.
* Used GIT for code repository and Eclipse for IDE.
* Used Log4j for application logging and debugging.
* Used GitHub/Jira/Confluence tool for daily routines.
* Involved in configuration setting for Development, Test, and Production Environment.
* Generated swagger documentation for rest services and exposed it external teams by using spring fox swagger library.

**Tech Stack:** Java 7, Spring 3.0, Angular, Hibernate 4.0, Maven 3.0, JAX-RS, Spring MVC, JUnit, GIT, Jenkins, Eclipse Luna, SQL Server 2012, JIRA, JSON, JSP, Servlets, Log4j, TDD. Spring REST, Mongo DB, DB2, Oracle, Log4j, Jenkins, Docker, Gradle, Apache Tomcat, GIT, XML, UML, JIRA.

I**CICI Bank, Chennai, IN (Aug 2014 – Jan 2016)**

**Java Developer**

**Project: ICICI Tax Insight**

**Description:** ICICI Tax Insight is a Web application with many site collections used by many users across the globe. This application exists in Struts 1,x version which is getting redesigned and developed in Spring Framework and Hibernate as ORM tools, it consists of many modules like Customer Management, Income tax calculation, Return Filings, Suggestions, Investments, Document Submission.

* Responsible for creating Class diagrams, Sequence diagrams, Use Case diagrams, Object Model diagrams and deployment diagrams using Rational Rose for migration modules.
* Deployed the application using J2EE architecture.
* Designed and developed web pages using HTML and JSP, Spring MVC pages from STRUTS forms and actions, for validation of user request data and application functionality used JSR 303 validations.
* Implemented Spring Delegate Layer for designing business layer of the Application.
* Developed programs for accessing the database using JDBC thin driver to execute queries, Prepared statements, Stored Procedures and to manipulate the data in the database.
* Implemented Spring JPA & ORM framework to interact with the database to perform all the crud operations based on business use cases.
* Good Exposure to Service Oriented Architecture (SOA) such as Webservices using Apache AXIS, SOAP engine to expose a method which parses the XML and stores the mapped fields to the database.
* Mapped Java Objects to Oracle tables using Hibernate mapping files.
* Deployed war file on the WebSphere Application Server Console.
* Guided testing team and helped them in develop cucumber-based automation test cases (ATDD) framework which we used to test our restful services.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing.
* Used SVN for source code control and JUNIT for unit testing.
* Involved in peer code reviews and performed integration testing of the modules.
* Involved in integrating Message Queues in our application to push notifications to queues

**Tech Stack:** JDK 1.6, Spring 3, Spring MVC, Oracle 10g, MQ Series, JMS, JSP, POJOs, Hibernate 3.x, Web Sphere 6.1, RAD 6.0, XML, Rational Rose, SVN, Junit, Mockito.

**Integrated Data Systems Ltd., Hyderabad, India (March 2012 – July 2014)**

**Project: New Edge**

**Java Developer**

**Description**: New Edge application helps clients succeed by delivering innovative, superior, Advisory, Financing, Hedging, multi-asset solutions, across a broad range of listed and OTC derivatives and securities.

* Involved in complete development of ‘Agile Development Methodology/SCRUM’, developed and tested the application during various iterations.
* Used Collection Framework and Multithreading for performing cache Operation.
* Developed, and debugged the servlets and EJB with WebSphere Application server.
* Developed the middle tier using EJBs, Java Servlets, session, entity beans and message driven beans.
* Designed and developed the UI using Struts view component, JSP, HTML, CSS and JavaScript, AJAX, JSON.
* Designed and developed web pages using with HTML5, DHTML, XHTML, CSS3, Ajax, JSP and JQuery based on the W3C standards and Web 2.0.
* Achieved role control functionality mainly by retrieving JSON data from AJAX and combining the retrieved data with jQuery to manipulate nodes in DOM tree.
* Utilized a combination of regular expression and jQuery Validation Plugin to conduct input check.
* Designed the data flow for the client-side screens and the object interaction layer for the server-side components using Rational Rose.
* Involved in Use Case Diagrams, Class Diagrams and Sequence diagrams using Rational Rose.
* Used XML/XSLT for transforming common XML format and SAML for Single Sign-On.
* Designed configuration XML Schema for the application.
* Developed Maven scripts and developed builds using Maven and continuous integration servers like Jenkins.
* Used JavaScript for the client-side validation.
* Used XML Http Request Object to provide asynchronous communication as part of AJAX implementation.
* Prepared the test plans and executed test cases for unit, integration and system testing using different automation tools like Junit, Soap UI and Fiddler.
* Performance Testing experience using JMeter.
* Extensively used MVC 2, Factory, Delegate and Singleton design patterns.
* Used SOAP for Web Services by exchanging XML data between applications over HTTP.
* WSDL was used for publishing Web Service interfaces.
* Involved in Code Review, Unit Testing and Integration Testing.

**Tech Stack:** JAVA, JSP, Servlet, EJB, JavaScript, Hibernate, UML, jQuery, Struts, Design Patterns, HTML5, CSS3, JMS, XML, Eclipse, SOPA Webservices, log4j, Apache CXF, JMeter, Apache Tomcat Server, SOA, PL/SQL, Oracle10g, UML, Web logic, Junit.