Mahesh Thakkilapati

(***Sr. Java Full Stack Developer***)

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**PROFILE SUMMARY**

* 10+years of IT experience in Analysis, Design, Development, Implementation and Testing Enterprise Applications in the Client/Server environment using Java/J2EE in Client - Server, 3-tier, and n-tier applications.
* Strong experience in UI frameworks JavaScript, React JS, Angular 7/8/9/11/13/14, and jQuery.
* Good knowledge of Spring modules - Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix.
* Hands-on experience with Spring JDBC Templates, JMS Templates, Spring EAI, and Spring Rest Templates.
* Experienced in React JS and working with React Flux architecture.
* Expertise in developing reliable and scalable enterprise J2EE applications using Servlets, JSPs, JSTL, JMS, JDBC, AJAX, XML, EJB, Web Services, JavaScript, and HTML.
* Experience working with a vast array of Netflix APIs like Feign, Ribbon, Eureka to make our applications more and more resilient to failures.
* Expertise in using Amazon Web Services AWS. Extensive experience in focusing on services like EC2, VPC, Cloud Watch, Cloud Front, IAM, S3, Elastic Cache, ECR, ECS, AWS Security Groups.
* Experience in writing ANT, Maven build scripts and configuring and using Log4j and writing JUnit Testcases.
* Conducted testing on Restful web services utilizing Postman and SOAP UI.
* Experience with Docker containers, AMI's to create Docker images/ containers and Kubernetes container orchestration system.
* Engaged in the Banking Sector for a certain duration, where I designed a distinct module utilizing Java, Spring, Apache Kafka, etc., and implemented deployment through GCP.
* Implemented GraphQL in a microservices architecture to optimize data retrieval and enhance API efficiency, providing clients with a more tailored and efficient way to request and receive data.
* Strong Experience in Maven for build, Jenkins and SonarQube continuous integration
* Experience with database management like Oracle and SQL Server.
* Exposure to NoSQL database programming - Apache Cassandra and Experience in configuring and managing Cassandra clusters for fault tolerance, high availability, and scalability.
* Worked on messaging appliances like WebSphere MQ, AMQ, EMS, Solace.
* Experience in implementing the J2EEdesign patterns like Singleton, Factory, Test Driven Development (TDD), MVC (Model-View-Controller), DAO (Data Access Object), and DTO (Data Transfer Object).
* Knowledgeable in Cassandra Query Language (CQL) for performing CRUD operations, filtering, and aggregation.
* Implemented RESTful Web services to retrieve data from client side and made REST API calls from Node JS, parsed the data to project to client and handled the security and Authorization using Spring Security.
* Proficient in Hibernate, Spring, EJB (Entity Session Message Driven Bean), Ajax, Java Beans, JNDI, JMS, Java Mail, XML, and Sockets, employing IDEs such as Eclipse.
* Utilized diverse testing frameworks for front-end/user interface, including Karma, Jasmine, Jest, and Mocha.
* Expertise in unit-testing with tools like JUnit, Mockito, Spock, Test Ng and Integration testing tools like Selenium Web Driver, Cucumber (Behavior Driven Development testing).
* Following the Domain Driven Design approach for Microservices, emphasizing the creation of API/Endpoints to enhance reusability and facilitate maintenance.
* Proficient in utilizing Web/Application Servers like IBM WebSphere 7.0, Apache Tomcat, and JBoss.
* Applied Spring Data JPA to simplify the data access layer in enterprise applications, improving development efficiency and maintainability.
* Worked with the business team during UAT to review the requirements for any new functionality.
* Developed and deployed a resilient messaging system with IBM MQ, enabling seamless real-time communication among various applications.
* Hands on experience with Object Oriented JavaScript code and responsible for client-side validations using Angular Directives and JQuery functions.
* Proficient in utilizing Spring Batch framework for batch processing tasks
* Designed and implemented messaging systems utilizing Message Queues like RabbitMQ, Kafka, and/or ActiveMQ, enabling reliable and scalable communication between applications.
* Utilized Spring WebFlux framework for building non-blocking and reactive applications.

# **TECHNICAL SKILLS**

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| **Programming Languages** | Java 8/11 /J2EE, C, JavaScript, PHP, PL/SQL, Python 3.6.0, TypeScript |
| **Java APIs** | J2EE, EJB, Servlets, JSP, JSTL, Custom Tag Libraries, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, JPA, Log4j, Apache Kafka. |
| **Frameworks** | Spring, Struts 2.5, Hibernate, Spring 5.0, WebFlux , Spring Security |
| **Web Technologies** | HTML, HTML5, CSS/CSS3, AJAX, jQuery, Bootstrap, XML, Grunt, Gulp, JSON. |
| **Database** | SQL Server, MySQL, Oracle, MongoDB, DB2 |
| **Web Services** | XSD, WSDL, Apache Axis, SOAP, Restful, GraphQL, JAX RS, JAX WS |
| **Messaging** | JMS (Java Message Service), IBM MQ, Apache Active MQ, Apache Kafka. |
| **Web Application Servers** | Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x. |
| **Methodologies** | Agile, Waterfall, OOAD, SCRUM. |
| **Testing Tools** | JUnit, Mockito, Jasmine, Karma, Mocha, Chai, Selenium. |
| **Version Control** | SVN, CVS, GIT, and Clear Case |
| **Build Tools** | Maven, Gradle, ANT |
| **IDEs** | Eclipse IDE, RAD 6.0/7.0, IntelliJ IDEA, Spring Tool Suite (STS). |
| **Operating Systems** | Windows, Linux, and UNIX |

# **PROFESSIONAL EXPERIENCE**

## Country Financial, IL, USA Full Stack JAVA Developer Mar 2023 – Present

**Responsibilities:**

* Involved in Technical and High-level Design Review Meetings with Business Testers and Business Owners and completed the Software Development Life Cycle (SDLC) phases of the project, including designing, developing, testing, and deploying applications.
* Participated in the creation of a single-page application that loads multiple views through routing services, employs lazy loading, and enhances the application with additional dynamic features using the Angular 10/12/14 framework.
* Utilized an Enterprise Service Bus (ESB) to design and implement communication between mutually interacting software applications in a service-oriented architecture (SOA).
* Created applications that incorporate interactive web pages with HTML5, CSS3, JavaScript, jQuery, AJAX, JSON, Angular framework, and the Apache Tiles framework.
* Implemented the Stream API in Java 8 for efficient processing and manipulation of collections of data.
* Contributed to the development of model-driven and template-driven forms in Angular 10/12/14.
* Wrote code to facilitate data exchange between components across various modules using the Angular 8/10 framework.
* Implemented RESTful APIs and microservices using WebFlux, leveraging its functional and annotated programming models.
* Designed and implemented a scalable and modular architecture for applications to interact with different EMS (Element Management Systems) such as Alcatel, Cisco, and Juniper
* Designed and coded various JAVA and J2EE modules, including Spring Boot, Spring MVC, Spring Rest, Hibernate, JPA, and Couchbase.
* Worked on Aws serverless, DynamoDB, Lambda, Python, S3, SNS, EC2, Lambda for cloud platform for building serverless applications.
* Implemented POJO’s & DAO’s for the database entities using Spring JDBC annotation mappings.
* Created micro-services using Spring MVC and the Netflix stack (Hystrix, Archaius, Eureka, Zuul, and Ribbon).
* Implemented Snowflake on AWS, optimizing data warehousing with seamless integration of S3, EC2, and VPC for enhanced performance and cost-efficiency.
* Proficient in designing, developing, and maintaining databases using RDBMS such as MySQL and tal.
* Have experience in migrating data from Oracle database to Apache Cassandra (DataStax) NoSQL Database using Spring JDBC.
* Utilized the new HTTP Client API introduced in Java 11 for efficient and asynchronous communication with external services through HTTP.
* Designed and implemented a scalable data model in Cassandra, optimizing partitioning and clustering strategies to accommodate high-volume data ingestion and retrieval.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Employed databases such as MySQL, PostgreSQL, and MongoDB with microservices, choosing the appropriate data storage solutions based on the specific requirements of each service.
* Implemented the authentication and authorization of the application using Spring Security and OAuth2.
* Utilized various JavaScript libraries, including caching, AWS, JBoss, DROOLSGWT, JSF, Ext JS 3.0, jQuery, Agile, Backbone.js, Underscore.js, and Node.js.
* Employed CQL (Cassandra Query Language) for reading and writing data in the Cassandra database.
* Worked with PostgreSQL which supports many features beyond the SQL standard, such as complex queries, advanced indexing, and native support for JSON, XML, and other data types.
* Made extensive use of Bootstrap to create style guides, establish best practices, and set UI standards for enterprise and consumer applications.
* Seamlessly integrated third-party services and APIs into the application using Spring Boot's REST clients, facilitating data integration and communication.
* Developed and performed test cases using Jasmine and Karma for front end unit testing and used Cucumber, Protractor and Http-server for the end-to-end testing.
* Employed Spring Boot's testing framework, including JUnit and Mockito, to develop thorough unit tests and ensure the correctness and reliability of application components.
* Conducted peer code reviews, participated in the creation of test cases, and tested the applications on various operating systems and browsers.
* Utilized Solr queries in conjunction with Cassandra to retrieve results.
* Utilized Spring Data JPA repositories to streamline CRUD (Create, Read, Update, Delete) operations on database tables.
* Possessed knowledge of microservices architecture and its implementation using Message Queues to facilitate seamless communication between services.
* Demonstrated proficiency in using Message Queues to implement job queues, event-driven systems, and data streaming applications.
* Set up Kafka clusters to guarantee high availability, fault tolerance, and scalability.
* Possessed familiarity with the Kafka Streams API for developing stream processing applications in Java.
* Demonstrated extensive knowledge of IBM MQ's distributed architecture, encompassing queues, channels, listeners, and triggers, to architect scalable and fault-tolerant messaging solutions.
* Operated in a cloud environment, where I consumed, requested modifications to, and stored data using Restful API services within a clustered server environment.
* Collaborated with the team using the GIT, GitHub, and SourceTree version control platforms.
* Authored Controller classes within the Spring MVC framework in the Web layer of the application architecture.
* Oversaw code versioning and release versioning through SVN and Git and developed Use Case Diagrams and Class Diagrams.
* Designed and implemented batch jobs using Spring Batch components such as Job, Step, ItemReader, ItemWriter, and ItemProcessor.
* Implemented J2EE design patterns, including Business Delegate, Service Locator, Data Transfer Object, Data Access Object, Session Facade, Factory Method, and Singleton pattern.
* Utilized the Spring framework, including Spring AOP, Spring ORM, and Spring JDBC modules.
* Utilized JIRA extensively for defect tracking and reporting and employed Confluence for document management.
* Used Jenkins pipelines to drive all microservices builds out to the Docker registry & deployed to Kubernetes.
* Employed the AJAX library to initiate server calls and update UI components without the need for page refresh.
* Extensively utilized Collections to store, retrieve, and manipulate objects within the business logic layer.
* Created both Unit Test cases and System Test Cases for all the enhancements and resolved defects.
* Participated in Unit testing, Quality Assurance, User Acceptance Testing, and the resolution of bugs.
* Monitored the Error logs using Log4j and fixed the problems.
* Participated in a Scrum team and Agile Practices including TDD, BDD and pair programming.
* Experience in developing scalable solutions using NoSQL databases CASSANDRA, MongoDB, and DynamoDB.
* Used NOSQL database Mongo DB to store data of reporting Application which is of unstructured data.

**Environment**: Java/JDK, J2SE/J2EE, HTML5, CSS3, JavaScript, JQuery, Spring, Spring Boot, Spring Batch, Spring MVC, AngularJS, NodeJS, EC2, S3, SDK, MySQL, SOA, JDBC, Hystrix Dashboard, AWS, Python, Hibernate, REST, JSON, RESTful, Eclipse, MAVEN, JUnit, Jenkins, JBoss, MongoDB, GIT, PL/SQL, OAUTH, Docker, ANT, JIRA, Kafka, JMS.

## Optum – HealthCare Company, MN, USA Full Stack JAVA Developer Dec 2020 – Feb 2023

**Responsibilities:**

* Understand and adopt Microservices architecture to gradually replace a core monolithic application to Microservices.
* Developed the application using the Struts Framework, which employs the classical Model-View-Controller (MVC) architecture. UML diagrams, including use cases, class diagrams, interaction diagrams (sequence and collaboration), and activity diagrams, were utilized.
* Operated in an Agile work environment with a Content Management system for workflow management and content versioning.
* Designed the UI using HTML5, JavaScript, CSS3, AJAX, the Bootstrap responsive framework, and JSP to achieve interactive cross-browser functionality and complex user interfaces.
* Managed and updated Jasper reports.
* Designed and implemented services that orchestrate order-related metadata, enabling scalable lookups from Solr/Cassandra.
* Employed JBoss AMQ for messaging and configured queues for messaging.
* Enhanced the UI logging for the "suggest edits" interface using Flux and React.js.
* Participated in Quality Assurance activities, prepared documents for QA, attended QA meetings, and actively contributed to production deployments while strictly adhering to SDLC processes.
* Conducted CRUD operations, including data update, insertion, and deletion, in both MongoDB and the Oracle database management system. Managed database access and data transmission through RESTful web services.
* Created a navigation bar for menus using React.js.
* Implemented the application following the principles of various design patterns such as MVC, Session Facade, Service Locator, and Singleton.
* Wrote Java code for fetching data from Cassandra, handling large volumes of data, and scheduling maintenance jobs.
* Worked on NodeJS for building web applications.
* Translated a set of business requirements and wireframes into fully functioning system components and web code using HTML, CSS, JavaScript, React JS, Redux, and Typescript.
* Generated dynamic UI pages and components using JavaScript and React JS.
* Developed the header and footer of the web app as reusable UI components in React JS.
* Built stable React components and stand-alone functions for potential future use on other pages.
* Utilized React-Router to convert the application into a Single Page Application.
* Employed React Resolver for server-side rendering, enabling the definition of data requirements for components and handling nested, asynchronous rendering on both the server and client.
* Worked with React JS components, Forms, Events, Keys, Router, Animations, and the Flux concept.
* Designed roles and groups for users and resources using AWS Identity and Access Management (IAM).
* Participated in the design of user screens and validations using HTML, jQuery, Ext JS, and JSP to meet user requirements.
* Deployed microservices in AWS docker containers and developed them using Spring Boot.
* Utilized an EMS (Employee Management System) to enable company employees to submit their timesheets, expense sheets, and other company-related expenditures online in a timely and user-friendly manner.
* Developed the presentation layer and content management framework using HTML and JavaScript.
* Took responsibility for validating client interface JSP pages using Struts form validations.
* Integrated Struts with Spring Inversion of Control (IOC).
* Involving in CI/CD pipelines using GitLab repository and using Docker and deploying them in PCF cloud.
* Leveraged Java 11+ features to enhance exception handling, including try-with-resources, improved stack traces, and standardized exception classes.
* Implemented Spring Boot's internationalization support to create multilingual applications, delivering localized content based on user language preferences.
* Developed comprehensive unit tests using JUnit, Mockito, and/or Selenium to ensure the quality and functionality of microservices.
* Deployed and hosted microservices on cloud platforms such as AWS, Azure, and Google Cloud Platform, leveraging their infrastructure and services to achieve scalability and availability.
* Applied database concepts like indexing, normalization, and transaction management to optimize database performance in conjunction with Spring Data JPA.
* Implemented security best practices in software development, ensuring the integrity and security of Spring Data JPA-based applications.
* Utilized IBM MQ to implement job queues, event-driven systems, and data streaming applications, ensuring efficient and reliable message processing.
* Proficiently used IBM MQ monitoring and management tools, including IBM MQ Explorer and IBM MQ Console, to monitor message flows, troubleshoot issues, and ensure smooth operations.
* Developed both static and dynamic web pages using JSP, JBoss, DROOLS, Eclipse IDE, Swing, SPA, HTML, HTML5, and CSS.
* Experienced in using PowerMock to effectively mock static methods, final classes, and constructors, enabling comprehensive unit testing of legacy code and third-party libraries.
* Set up servers using AWS, imported volumes, launched EC2 instances, managed RDS, created security groups, implemented auto-scaling, and configured load balancers (ELBs) within the defined virtual private connection.
* Utilized JIRA for logging user stories and tracking task statuses, and used Crucible for conducting code reviews.
* Produced and consumed data from RESTful web services in formats such as JSON and XML.
* Built a web frontend using the Spring MVC Framework, incorporating JSP, HTML, CSS, AJAX, and JavaScript.
* Migrated Camel Routes from Apache ServiceMix to the Solace framework.
* Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers
* Created ANT scripts for compilation, packaging, and deployment on the WebSphere server.
* Implemented a logging mechanism using the Log4j framework.
* Utilized Log4j for application tracking, while SVN was employed for version control.
* Configured the Tibco/Solace messaging system for the application.

**Environment**: Java, J2SE/J2EE, JDK, RCP, AWS SDK, Git, Swing, JFC, Spring, Hibernate, Core Java, React JS, SOAP/Rest, Web Services, JavaScript, UML, Bower, HTML5, CSS, DROOLS, SASS, Sonar, Docker, WAS 8 WSDL, JIRA, JAX-WS, JAX-RS, MYSQL, JMS, Oracle, WebSphere, Spring, Spring Boot, Spring Batch, AJAX, jQuery, JUnit, Maven, ACTIVE MQ, Rabbit MQ, Log4j, AWS, Azure.

## DPS Texas , TX, USA Full Stack JAVA Developer Oct 2019 – Nov 2020

**Responsibilities:**

* Developed applications using the Spring framework, leveraging its features like Spring Dependency Injection, Spring Beans, Spring Security, Spring JPA, and Spring Web Flow within the MVC architecture.
* Implemented security functionality for various projects using SiteMinder (SSO).
* Utilized the Hibernate ORM framework for interacting with databases through Hibernate Query Language (HQL). Also, worked with Hibernate EH Cache for optimizing critical objects in the application.
* Developed various components in the application that implement lazy loading features in Angular 8/7.
* Implemented ODBC to connect to the Oracle database.
* Used Backbone.js to employ its rendering functions and create controllers for handling client-triggered events and sending requests to the server.
* Developed UI components using React and Node.js, enabling universal rendering to deliver pre-rendered content to the client and improve page load times for a seamless user experience.
* Updated the application to incorporate new features of Angular 8/7.
* Created a Single Page Application with multiple views using route services, enhancing the user experience through dynamic features with the Angular 8/7 framework and Node.js.
* Designed and developed the login portal using Angular 5, along with HTML5, CSS3, and TypeScript.
* Developed TypeScript reusable components and services to consume REST APIs using Angular 7's Component-based architecture.
* Effectively utilized Angular Directives, filters, declarative templates, service providers, and context-aware communication.
* Designed the user interface and its functionality as per user requirements, developing RESTful Web services in Mule ESB based on Service-Oriented Architecture (SOA).
* Achieved unit, functional, and end-to-end testing using the TestNG framework.
* Implemented integration testing methods and Behavioral Driven Testing using Selenium and Cucumber, respectively.
* Developed an automated application using JMS for messaging and JNDI to interact with the server.
* Configured and managed public/private cloud infrastructure using Amazon Web Services like Amazon EC2 and Amazon S3.
* Configured Hibernate's second-level cache using EHcache to reduce the number of hits to the configuration table data.
* Created a set of application functionalities using the CRUD (Create, Read, Update, Delete) features of Backbone.js.
* Conducted AngularJS end-to-end testing using the Protractor framework.
* Used Backbone.js as the Model, Widgets as the Controller, and jQuery templates as the View.
* Implemented a web interface (UI) for end-users using AngularJS, migrating from the existing Backbone.js application.
* Utilized the Maven build tool for deploying the application on web servers, such as JBoss.
* Deployed the Docker image of services building Docker file and build a continuous delivery pipeline for containers using AWS Code Pipeline and Amazon ECS.
* Configured Jenkins for handling application deployment in the Pivotal Cloud Foundry (PCF) server and integrating with GitHub version control. Utilized HTML5, CSS, jQuery, and Ajax while performing client-side validations using JavaScript.
* Deployed Drools rules as a service in the J2EE stack environment.

**Environment:** Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon, Jenkins, Git, Log4j, DB2, Grunt, Jasmine, Docker, JBoss, Jenkins, OpenShift, Drools, Maven, TestNg, Protractor, Grunt, Selenium, Cucumber, WADL.

## Discover Financial Services, IL, USA Full Stack JAVA Developer Jan 2018 – Sep 2019

**Responsibilities:**

* Responsible for gathering business and functional requirements, as well as preparing the design and proof of concept.
* Involved in the complete Software Development Life Cycle (SDLC) for application development.
* Extensively engaged in developing a web interface using JSP, JSP Standard Tag Libraries (JSTL) with the Struts Framework.
* Actively participated in coding using Java 1.8, Spring 4.x, and Angular 5 to develop end-to-end features.
* Developed applications on the Spring framework, utilizing features like Spring Boot, Spring Dependency Injection, Spring Beans, Spring Security, Spring JPA, and Spring Web Flow within the MVC architecture.
* Contributed to building Microservices with the help of Spring Boot and developed Spring-based applications with minimal configuration.
* Developed Microservices-based APIs using Spring Boot and Spring Data.
* Played a role in designing UI screens and creating mock-ups using HTML5, CSS3, and JavaScript.
* Engaged in the design and development of the server-side layer using XML, JSP, JDBC, JNDI, EJB, and DAO patterns within Eclipse IDE.
* Implemented Angular 5 services to connect the web application to backend APIs for POSTing/GETting data used in the application.
* Implemented the routing part of the application using Angular 5 UI router module, routing provider service with HTML views and CSS styles.
* Designed dynamic and browser-compatible pages using HTML5, CSS3, JavaScript, and AngularJS.
* Created AngularJS controllers, services, and used AngularJS filters for search box and integrator functionalities.
* Extensively utilized Angular UI components like Calendar, Grid, Select, and Uploader.
* Developed cross-browser and multi-browser compatible web pages using HTML5, CSS3, and JavaScript.
* Implemented the service layer using Spring with transaction and logging interceptors.
* Designed dynamic client-side JavaScript code to build web forms and simulate processes for web application, page navigation, and form validation.
* Built REST web services by creating a Node.js Server on the backend to handle requests sent from the front end using jQuery Ajax calls.
* Implemented a Microservices architecture with Spring Boot-based services interacting through a combination of REST and Spring Boot.
* Implemented SOAP Services (JAX-WS) to interact with external systems and wrote client code for invoking SOAP-based web services.
* Developed EJBs Session beans for business logic.
* Carried out development under the Eclipse Integrated Development Environment (IDE).
* Integrated Spring DAO for data access using Hibernate and used HQL and SQL for querying databases.
* Configured Hibernate through XML files and mappings for database access.
* Employed version control using CVS and Git.
* Actively participated and provided constructive feedback during weekly iterative review meetings to track progress for each iterative cycle and address issue

**Environment**: Java, UML, Hibernate, spring, AJAX, XML, DOM, Lambda, JDBC, CSS, Eclipse, ANT, Log4j, Junit, Oracle, TOAD for Oracle, BEA, SVN, Windows.

## Bank Of New York, Mellon NJ Full Stack JAVA Developer June 2016 – Dec 2017

**Responsibilities:**

* Implemented application modules using Spring Core layer (IoC), Spring Security, Spring AOP, Spring ORM, Spring Batch, and Spring Rest web services.
* Utilized various user interface technologies, including HTML, JavaScript, React JS, and JSON, for developing the GUI of the application.
* Experienced in Angular 2 templates, directives, routing and navigation, components, services, and data binding.
* Wrote the front-end code for the application using Angular 4.
* Developed the application using AngularJS, UI Bootstrap, HTML5, and CSS.
* Demonstrated proficiency in Angular 2/4, JavaScript, and HTML5.
* Created a Proof of Concept (POC) using Angular 2.0 components and templates, replacing JavaScript with TypeScript.
* Developed a user-friendly interface for seamlessly integrating the new module with existing systems.
* Implemented a login system using Google Web Toolkit (GWT), JavaScript framework, and jQuery.
* Engaged in the Scrum methodology for workflow management.
* Developed various backend application programs, including views, functions, triggers, procedures, and packages using SQL and PL/SQL.
* Started the development of a new library with a microservices architecture using REST APIs, Spring Boot, and Pivotal Cloud Foundry.
* Conducted requirement analysis, business user walkthroughs, developed design documents, and implemented solutions based on Agile methodologies.
* Utilized SVN and GIT for accessing repositories and maintaining code.
* Employed the JIRA Tool for tracking bugs, issues, workflow, and releases.
* Participated in SIT (System Integration Testing), UAT (User Acceptance Testing), BCP (Business Continuity Planning), and Hypercare activities, while resolving production issues and performing Root Cause Analysis and troubleshooting operational issues

**Environment**: Eclipse Oxygen, HTML5, CSS, JavaScript, jQuery, Angular.JS 2.0,4.0, Apache Tomcat 8.5, Micro Services Rest Web Services, Restful Web Services using Micro services architecture, Spring Boot, Spring MVC, Spring Security, Log4j2, MongoDB, Google Web Tool Kit (GWT), Jira, Jenkins, Agile.

## Marsh Digital, Phoenix, AZ Java/J2EE Developer Oct 2013 – May 2016

**Responsibilities:**

* Created use cases, class diagrams, activity diagrams, and collaboration diagrams.
* Participated in Technical and High-level Design Review Meetings with Business Customers.
* Engaged in the software development life cycle (SDLC) of tracking systems, including Requirements gathering, Conceptual Design, Analysis, Detail Design, Development, System Testing, and User Acceptance Testing.
* Developed a REST API for previewing templates, which merges templates with JSON and tested it using SOAPUI.
* Wrote REST-based microservices, JPA, and AngularJS code using the TDD methodology.
* Developed web applications using JSP custom tag libraries, Struts Action classes, and Actions. Designed Java Servlets and Objects following J2EE standards.
* Created UI pages with HTML, CSS, JavaScript, AngularJS, AJAX, JSTL, and JSP.
* Possessed extensive knowledge in developing single-page applications (SPAs) using various JavaScript frameworks like AngularJS.
* Used Jasmine as a framework and Karma as a testing tool for Test-Driven Development (TDD) in JavaScript.
* Worked on developing applications and automated scripts, leveraging MongoDB.
* Extensively worked with Servlets and Spring-based multi-tier applications in developing J2EE Components.
* Utilized JIRA and Bugzilla for bug tracking and pull requests, Confluence for collaboration and sharing important information, and GIT-Bitbucket for source control management.
* Gained experience in managing the Cassandra environment, focusing on availability, performance, and scalability.
* Used Hibernate's table-per-hierarchy inheritance and mapped polymorphic associations.
* Made extensive use of triggers, stored procedures, indexes, sub-queries, joins, views, and sequences.
* Conducted thorough code walkthroughs for team members to assess functional coverage and coding standards.
* Leveraged Solace to fetch data from the database in real-time and Real-time Framework to enforce data integrity rules.
* Utilized SVN for version control of code and configuration files.
* Worked on fine-tuning database performance, performing regular system backups, restores, and implementing disaster recovery procedures.
* Extensively utilized the Drools Rules Engine for writing Business Rules Validation and externalizing parameters.
* Created the front-end interface using JSP, Struts, JavaScript, CSS, and HTML.
* Developed business logic using Session beans and EJBs, deploying them on WebLogic Server.
* Used Web Services to extract client-related data from databases using WSDL, XML, and SOAP.
* Employed Apache Ant to compile Java classes and package them into jar/war archives, while being involved in Low-Level and High-Level Documentation of the product.
* Wrote UNIX Shell scripts to automate business processes.

**Environment**: Java, JSP, Servlets, Spring AOP/IOC, Spring MVC, Hibernate, XML, JBPM, HTML, JDBC, Web services, Web Services (SOAP/WSDL and REST), Multithreading, WebLogic, Mockito, Junit, Maven, Log4J, SVN, Oracle, UNIX

**EDUCATION**

* Master’s degree in applied computer science from Grand Valley State University **Dec - 2012**