**Manish Maddi**

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**Sr. Full Stack Java Developer**

**Professional Summary:**

* Overall **9+ years** as a Full Stack Java Developer, specializing in web-based and UI applications across multiple domains, with a strong foundation in HTML5, CSS3, JavaScript, Angular, and J2EE.
* Strong experience in Java, J2EE, Spring Framework, Spring MVC, Springboot, Microservices, Angular, JSF, Primefaces, JMS, Hibernate, Informix DB, Oracle DB, Postgres, Unix, and Linux environment commands.
* Actively involved in the complete life cycle of development, analysis, design, implementation, deployment, support, and maintenance activities.
* Skilled in MVC frameworks, event-driven applications using AJAX, and Object-Oriented JavaScript, with a deep understanding of AngularJS.
* Experience in optimizing code for performance by employing low-level programming techniques and leveraging C++'s speed and efficiency.
* Proven track record in designing, developing, delivering, and implementing data-driven applications for various clients.
* Experienced in Object-Oriented Analysis and Design, using UML notations and tools like Rational Rose and Star UML.
* Excellent command of Core Java, encompassing multi-threading, data structures, collections, and exception handling.
* Expert in RESTful and SOAP web services for application integration and proficient in front-end and back-end system integration.
* Implemented patterns like Factory, Singleton, DAO, MVC, Facade, and Repository in the development of distributed enterprise applications.
* Extensive use of IDEs such as Eclipse, IntelliJ, NetBeans, and build tools like Maven, ANT, and Gradle.
* Significant exposure to Cloud technologies (PCF, GCP) and mastery of CI/CD pipelines using Jenkins, Docker, and version control systems (Git, SVN).
* Hands-on experience in designing web pages with HTML, CSS, JSTL, JavaScript, AngularJS, Bootstrap, and Node.js, with a focus on single-page applications.
* Strong knowledge of Hibernate, Spring Framework (MVC, Boot, Security), and creating micro-services with Spring Boot.
* Proficient in configuring and deploying applications on servers such as Apache Tomcat, WebLogic, WebSphere, and JBoss.
* Implemented performance optimization strategies in React to enhance the application's responsiveness and speed.
* Implemented comprehensive testing strategies for the React components, including unit tests, integration tests, and end-to-end tests.
* Experienced with RDBMS like Oracle, MySQL, PostgreSQL, and NoSQL databases such as MongoDB, and Cassandra; adept in SQL, PL/SQL.
* Involved in a TDD (Test Driven Development) environment, worked with JUnit 4 for unit testing, Mockito 2.0 for mock creation and verification, and Postman for connection testing.
* Implemented application security including User Management, authentication, and authorization using Java EE Security and Spring security. Implemented OAuth authentication/authorization for login.
* Comprehensive experience with testing tools (Jasmine, Selenium, JUnit, Mockito) and implementing application security with Java EE and Spring Security, including OAuth.
* Implemented and managed recent Java gRPC APIs while adhering to standards and best practices and used Protocol Buffers to define service contracts, allowing for effective data deserialization and serialization in a variety of settings.
* Proficient in all phases of the Software Development Life Cycle, including Agile, Scrum, Waterfall, TDD, and BDD.

**Technical Skills:**

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| --- | --- |
| Languages  | Java 8.0/7.0/6.0/5.0, Python, C, C++, SQL, and PL/SQL.  |
| J2EE Technologies  | JDBC, JSF, JSP, Servlets, EJB, JMS, JSTL.  |
| Tools and Frameworks  | Spring MVC, Spring Core, Struts, Spring AOP, Spring Batch, Log4j, Spring Boot, Spring Security, Spring Rest, Microservices, Angular.  |
| Design Patterns  | Singleton, Factory, MVC, Adapter, DTO, DAO, Business Delegate, Business Object, Front Controller  |
| Web Technologies  |  HTML5, DHTML, CSS3, JavaScript, JSP, jQuery, SERVLETS, JSP, JavaBeans, Java Servlet API, React. |
| Databases  | Oracle, PL/SQL, MySQL, MongoDB, Postgres. |
| ORM Frameworks  | Hibernate, Spring Data JPA, Spring JDBC, Spring ORM.  |
| Web Servers  | Apache Tomcat, IBM Web Sphere, JBoss, WebLogic 12.1.2.  |
| Testing Frameworks  | JUnit, TestNG, Nightwatch JS, Jasmine JS, Selenium Testing, JMeter, Cypress.  |
| Build Tools  | Maven, Gradle, ANT.  |
| Web Services  | SOAP, WSDL, UDDI, JAX-RPC, Restful, JAX-WS, JAX-RS, JAX-B, Axis2, XML, XSD.  |
| Version Control Tools  | GIT, SVN, CVS.  |
| Methodologies  | Agile/scrum, Waterfall, and TDD.  |
| Cloud Technologies  | Microsoft Azure, Amazon Web Services (AWS), and Google Cloud Platform.  |

**Professional Summary:**

**Client: Cigna, Bloomfield, CT Aug 2023 – Current Role: Sr. Full Stack Java Developer**

**Project Title: Advanced Web Application Development and Integration**

**Project Description**: This project involved developing a sophisticated, accessible web application that adheres to modern web standards. As a Full Stack Java Developer, I was instrumental in both front-end and back-end development, utilizing a wide array of technologies and methodologies to create an interactive, efficient, and scalable application.

**Responsibilities:**

* Developed backend web services using Spring Boot and custom components for the web applications using Angular.
* Led the end-to-end development of a responsive web application utilizing HTML5, CSS3, Bootstrap, Angular 9, and TypeScript, focusing on creating an accessible and interactive user experience compliant with web standards.
* Created Angular components, implemented Interpolation, input variables, Bootstrapping, ng-for, ng-If, Router Outlet, binding the click event, Component decorator, and binding to the hidden property.
* Enhanced client-side functionality using jQuery and AngularJS, implementing custom components for data binding, event handling, and dynamic content manipulation.
* Developed a robust backend with Spring Boot, integrating custom Angular components and optimizing RESTful and SOAP web services for efficient data transmission.
* Improved system performance by refining API calls and implemented cloud-based microservices using Spring Cloud, Netflix OSS (Eureka, Zuul, Ribbon, Hystrix, Feign), and AWS services (EC2, S3, Lambda, SQS, Kinesis).
* proactively recognizing and resolving complicated problems with the gRPC implementation in Java applications to guarantee the seamless operation of distributed systems, debugging tools and techniques were employed to detect network failures, compatibility problems, and performance bottlenecks.
* Skilled in connecting polyglot services within and across data centers using gRPC, thereby ensuring smooth interoperability and communication among diverse systems and proficient in defining services using .proto files and employing the protocol buffer compiler to generate server and client code, adhering to best practices in gRPC development.
* Worked on Spring Configurations and configuring order details service with Spring Boot Application.
* Worked with Restful Web services to interact with external systems exposed via API Gateway Interfaces
* Developed backend services, data access objects, and data repositories using Spring and Spring JPA.
* Implemented various features of the spring framework such as Dependency Injection and Spring Integration with Hibernate. Used spring data JPA to communicate with PostgreSQL and DynamoDB.
* Deployed and developed the project using AWS EC2, S3 Buckets, EBS, Lambda, SQS, and Amazon Kinesis Services. Implemented a Continuous Delivery framework using Jira, Git, Jenkins, and Bamboo
* Established a CI/CD pipeline using Jenkins, Maven, Bamboo, and Git for streamlined deployment, with Docker for container management.
* Secured web services using SSL, and JAX-RS with Jersey, and adhered to the microservices architecture pattern for service interaction through Apache Kafka and AWS Lambda.
* Utilized Reacts flexibility and agility to iterate quickly and deliver incremental updates to the application.
* Maintained Interface compatibility and concurrency in the project using Java 8 new features like default, static methods, and Concurrency API. Wrote complex SQL and HQL queries to retrieve data from the Oracle database. Log4J was used to log both User Interface and Domain Level Messages.
* Implemented data repositories using Hibernate and Spring Data JPA, connecting to PostgreSQL and Dynamo DB. Conducted comprehensive testing with JUnit, Mockito, and Maven, ensuring adherence to TDD and BDD standards.
* By employing the Test-Driven Development (TDD) methodology, achieve a reduction in bug incidence, enhance documentation quality, facilitate seamless Continuous Integration and Deployment (CI/CD), improve test coverage, and bolster support for Agile methodologies.
* Enhanced application performance and concurrency using Java 8 features, writing complex SQL and HQL for Oracle database management, and integrated Spring MVC for dependency management within the application's microservices structure.

**Environment:** Angular 9 and 11, Microservices, RESTful Web Services, Tomcat, Gradle, Jenkins, Java 8, J2EE, JDBC, JNDI, EJB, XML, JMS, Spring Boot, Hibernate, Spring (IOC, MVC, Boot, JDBC), Eureka Server, Zuul, Ribbon, Hystrix, Feign, SOAP, REST, Agile (SCRUM), Maven, Docker, JQuery, JSON, AJAX, Javascript, CI/CD, Open shift, SQL, PL/SQL, Oracle 11g, Linux.

**Client: United Airlines, Chicago, IL Sep 2022 - June 2023**

**Role: Full Stack Java Developer**

**Project Title: Advanced Full Stack Development with Microservices Architecture**

**Project Description:**

This project involved the end-to-end development and enhancement of a dynamic web application, employing a full-stack approach with a focus on user experience, security, and modern web standards. The application featured a single-page interface (SPA) and leveraged a microservices architecture for efficient, scalable back-end services.

**Responsibilities:**

* Executed full stack web development, crafting responsive UI with HTML5, CSS3, SASS, LESS, Bootstrap, and Angular 5, integrating MongoDB for data storage.
* Developed Single single-page applications (SPA) leveraging Angular's robust ecosystem, including directives, components, forms, events, and animations, alongside implementing Flux architecture for state management.
* Engineered the backend using Core Java with Java 8 features, including lambda expressions and stream API.
* Fetching JSON data from the Web API, appropriately parsing that data, and rendering it on the screen using various data visualization components.
* Worked on Core Java concepts such as OOP Concepts, Collections Framework, and Exception Handling, File I/o and concurrency, Multi-Threading, JDBC, Generics.
* Employed Spring Framework (MVC, IOC, Data, and Security) for backend logic, RESTful microservices with Spring Boot, and OAuth2 for authentication. Utilized Apache Spark for big data processing and Kafka for streamlining data pipelines.
* Skilled in connecting polyglot services within and across data centers using gRPC, thereby ensuring smooth interoperability and communication among diverse systems and proficient in defining services using .proto files and employing the protocol buffer compiler to generate server and client code, adhering to best practices in gRPC development.
* Integrated Spring Security for user authentication, using cryptographic techniques for data protection.
* Ensured quality with extensive testing frameworks, including Mockito, and JUnit for the backend, and Jasmine, Karma, Cucumber, and Protractor for frontend and E2E testing.
* Streamlined deployment processes via Jenkins CI/CD pipeline, transitioning from AWS Elastic Beanstalk to Docker within Kubernetes environments, and facilitated cloud migration to AWS with services like EC2 and S3, monitored using Log4j.
* Adopted agile methodologies to maintain a high cadence of delivery and iterative improvement. Optimized existing infrastructure by migrating to a microservices architecture, enhancing scalability and maintainability.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Implemented Maven for build automation, reinforcing best practices in code integration and deployment, which significantly streamlined the development lifecycle.

**Environment:** Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, Spring Security, JPA, JMS, HTML5, CSS3, Angular 5.

**Client: Panasonic Avionics Corporation, Lake Forest, CA Nov 2021 - Aug 2022 Role: Full Stack Java Developer**

**Project Title: Modernized Full Stack Development with Microservices and Cloud Integration**

**Project Description:** In this extensive development project, we navigated through the complete Software Development Life Cycle (SDLC) to deliver a cutting-edge application characterized by modern front-end and robust backend architectures.

**Responsibilities:**

* Engaged in all SDLC phases, implemented Angular Router for SPA navigation, and conducted end-to-end testing with Protractor. Developed dynamic client-side functionality with AJAX, jQuery, and Angular, ensuring responsiveness and seamless REST API integration. Utilized Jest and TDD approaches for unit testing, and crafted responsive UI with Angular 2, HTML5, CSS3, JavaScript, Typescript, jQuery, and Bootstrap.
* Designed and documented microservices (Admin, Reports, Audit, and Loan Processing) with Spring Boot, Spring, Hibernate, JWT, and MongoDB. Managed thread-safe operations and distributed transactions employed Spring Core for dependency injection and utilized Spring AOP for scheduled tasks.
* Capable of developing server applications by implementing generated service interfaces and generating gRPC servers, ensuring robust and scalable backend solutions for Java-based projects and also competent in creating client applications that make Remote Procedure Calls (RPCs) using generated stubs, facilitating efficient communication with server-side functionalities.
* Orchestrated CI/CD with GIT, Nexus, Jenkins, Maven, and Docker in AWS environments. Established Spring MVC, Security, and Hibernate ORM frameworks. Implemented RESTful services with JAX-RS and Jersey, and integrated security using Site Minder and Spring Security.
* Developed persistence layer with Spring Data and managed database interactions with Cassandra and MongoDB. Leveraged Kafka for message processing and integrated Rule Engines with JBoss Drools for business rule validation.
* Utilized AWS services (EC2, S3, Cloud Watch, and Elastic Beanstalk) and GWT for prototyping. Configured Docker containers for application lifecycle management and deployed on Pivotal Cloud Foundry and Open Shift/Kubernetes.
* Used Node package manager, Karma, Jasmine, Grunt, and Bower for development and testing; executed smoke and acceptance tests with Selenium across Java platforms. Managed version control with Git and automated build/deploy processes with Maven and Jenkins.

**Environment**: Java 8, Spring MVC, Spring Boot, Angular, HTML5, CSS3, JSON, JavaScript, Node.js, Spring Data, Mongo DB, Oracle 11g, IntelliJ IDEA, Junit, Mockito, GitHub.

**Client: Bristol Myers Squibb, India Nov 2018 – Jun 2021**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Managed business and functional requirements gathering, analysis, and documentation. Utilized Atlassian suite (JIRA, Confluence, Bamboo) for process tracking and documentation. Adopted Agile methodologies (SCRUM, XP) and Test-Driven Development principles.
* Designed web prototypes and layout skeletons using jQuery, CSS/LESS, and HTML5. Developed responsive single-page applications (SPA) with AngularJS, enhancing UI interactivity.
* Built applications on the J2EE stack with Apache Tomcat, and WebLogic, integrating Spring Wicket, Junit, and Oracle 12c for backend services. Crafted core Java programs applying Spring framework for business logic and workflows. Utilized Hibernate for object-relational mapping, promoting rapid development. Implemented RESTful services with Spring REST API, and Apache CXF, and conducted API unit testing with Mockito.
* Configured Kafka for message brokering with both non-authenticated and Kerberos authenticated listeners. Managed periodic data export from SQL to Elasticsearch. Parsed XML/JSON data for Oracle database integration using Python.
* Engineered microservices architecture for enterprise-wide software product delivery. Upgraded platforms to Oracle WebLogic 12.1.3 and SOA 12.1.3, handled ECM environments.
* Established Continuous Delivery pipelines with Docker, Jenkins, and AWS. Constructed AWS Lambda functions in Node.js, managing data snapshots in S3. Oversaw AWS resource health and utilization with AWS Cloud Watch. Developed the presentation layer with JSPs, jQuery, and Ext-JS using Sencha Architect. Maintained and expanded database infrastructure on AWS EC2. Created and maintained cloud services and web layer microservices.

**Environment:** Java 1.8, Spring Framework 4.0, Hibernate, Web logic, Oracle 11g, HTML5, CSS3, lodash,

JavaScript, Web Services, Spring Boot, REST, XML.

**Client: Ruletronics Systems Pvt Ltd, India Jul 2015 - Oct 2018**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Developed a robust application framework using Spring and J2EE-based MVC patterns, enhancing server-side and client-side interactions. Designed application prototypes and layouts with Angular, jQuery, CSS/LESS, and HTML5, ensuring responsive web design.
* Experience in optimizing code for performance by employing low-level programming techniques and leveraging C++'s speed and efficiency.
* Utilized C++ for implementing OOP concepts such as encapsulation, inheritance, and polymorphism.
* Integrated business modules using Spring and Hibernate, implemented RESTful web services via Jersey for JAX-RS and managed SOAP services with JAX-WS for XML data handling. Built microservices with Spring Boot, employing Java Swing for GUI, and ActiveMQ for messaging, enhancing system concurrency and stability.
* Managed database operations with SQL, MongoDB, and Hibernate, optimizing queries and procedures. Configured AWS environments for deployment, utilizing microservices secured with Spring Security and JWT authentication, and facilitated communication via REST and Kafka.
* Utilized Spring MVC, Ext-JS, HTML, and JavaScript for web application development, with continuous integration and deployment via Maven, Jenkins, and SVN.
* Implemented rigorous testing using JUnit, TestNG with Selenium, and JMeter for performance analysis. Managed project workflows and documentation with JIRA and Confluence.
* Orchestrated a Continuous Integration pipeline, creating and managing build scripts with Maven and overseeing the release process on Apache Archiva. Ensured quality and performance of the application by implementing test suites in JUnit, and TestNG, and conducting extensive performance testing with JMeter.
* Managed source control using SVN and maintained project oversight with JIRA, bolstering the development workflow and product quality.

**Environment:** Java, J2EE, AWS SDK, Ext JS, Git, GWT, Swing, JFC, Spring, AWS SNS/SQS, hibernate, Core Java, SOAP/Rest, Web Services, JavaScript, \ UML, HTML5, CSS, SASS, JIRA.

**Education:**

* **Bachelor of Technology in Computer Science Engineering - 2015, Sreenidhi Institute of Science and Technology, India.**
* **Master of science in computer and information science - Dec 2022, Christian Brothers University.**