**Varshitha Mondla**

**Sr Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Full Stack Java Developer with over 10+ years of experience, leveraging a robust proficiency in **Java 8/11**,**17,** **J2EE**, and utilizing frameworks like **Spring, Spring Boot, Spring MVC, Spring IOC, Spring Security**, and **Hibernate** for robust backend solutions.
* Expertise in front-end technologies including **React**, **Angular 4/5/6/8/9/11/13/16, Node.js**, and proficiency in **HTML5, CSS3, Bootstrap, jQuery, AJAX, SASS, and SCSS.**
* Skilled in **TypeScript** and various **JavaScript** frameworks like **AngularJS**, **React.js**, **Redux**, **Next.js**, plus **Node.js** and **Express.js** for both client and server-side development.
* Proficient in **Java**, **C++**, **PL/SQL**, and **Python**, demonstrating expertise in building robust and scalable backend systems.
* Proficient in **Agile** and **Waterfall** methodologies, excelling across the **SDLC** with strong collaboration, communication, and time management skills, ensuring efficient and scalable code delivery aligned with business goals.
* Proficient in developing microservices and managing servers like **Apache Tomcat, WebLogic, JBoss,** and **WebSphere.**
* Skilled in database design and management with **Oracle, MS SQL, MySQL**, **PostgreSQL** leveraging **NoSQL** databases like **MongoDB, DynamoDB and Cassandra**.
* Proficient in project management and documentation using **JIRA, Confluence, Swagger**, and **Grafana**.
* Extensive experience with cloud platforms, including **AWS** (EC2, ECR, ECS, IAM, EKS, RDS, Lambda, S3, CloudWatch, SQS, Glue, Elastic Beanstalk), **Azure** and **PCF.**
* Proficient in managing and streaming messaging systems with a focus on event-driven architecture, using tools like **Apache Kafka, Active MQ, RabbitMQ,** and **Spring JMS**.
* Implemented robust security protocols and features like **LDAP**, **OAuth 2.0**, **Spring Security** and **JWT** for token-based authentication, ensuring the safeguarding of applications and sensitive data.
* Hands-on experience with **big data** technologies such as **Apache Spark**, skilled in data visualization with **Kibana**, providing actionable insights for strategic decision-making.
* Managed **Kubernetes** for optimized scalable container deployments and high availability.
* Utilized **Terraform** for infrastructure as code, streamlining resource provisioning.
* Skilled in managing serverless **APIs** with API Gateway, integrating backend services using JAX-RS (**REST**) and JAX-WS (**SOAP**) for web service development, and proficient in connecting them with front-end applications.
* Managed and administered **IBM** **MQSeries** queues, ensuring reliable and efficient message delivery between distributed systems.
* Demonstrated expertise in **Scala** programming and leveraging the **Spark** framework to develop scalable and efficient data processing and analytics solutions.
* Designed and implemented authentication solutions using **OpenID** **Connect**, enabling secure and streamlined user authentication for web and mobile applications.
* Participated in integration projects, using **IBM** **MQSeries** to connect legacy systems with modern applications and services.
* Strong expertise in **J2EE** testing, proficient in developing and executing test cases with **JUnit, Mockito, Jasmine, Karma, Jest, Enzyme, Selenium,** and **Cucumber**, adhering to **TDD and BDD** principles.
* Experienced in **Agile** methodologies, including **SCRUM** and **Kanban**, with advanced skills in logging using **Log4J** and **Splunk** for quality assurance in dynamic development environments.
* Skilled in software development and version control using **GIT**, **GitLab**, **GitHub,** and **Bitbucket**, adept in **IntelliJ IDEA** and **Eclipse IDEs**, and proficient in building automation with **Maven and Gradle.**
* Specialized in Continuous Integration and Continuous Deployment (**CI/CD**) using **Jenkins**, adept at constructing streamlined pipelines and effective application delivery through **Docker** container services.

**Technical Skills:**

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| --- | --- |
| Languages | C, C++, Java 17/11/8, J2EE, JavaScript, Python 3.6.0, SQL |
| Web Technologies | jQuery, HTML, HTML5, CSS, CSS3, Bootstrap, TypeScript, AJAX, DOM, JSON, XML, SASS, SCSS |
| JavaScript Technologies | AngularJS, Angular 4/ 5/6/ 8/ 9/ 11/ 13/16, React.js, Next.js, Node.js, Express.js |
| Java Technologies | Spring, Spring Boot, Spring Cloud, Spring MVC, Spring IOC, Spring Security, Hibernate, Servlets, JDBC, JSP, JSTL, Swing, EJB, Scala, JAXB, Struts |
| Database/RDBMS and ORM | Oracle, MS SQL Server, MySQL, MongoDB, Redis, Cassandra, PL/ SQL, PostgreSQL, Graph DB Dynamo DB, Big Query, Spark |
| Web Services | RESTful, SOAP, WSDL, GraphQL |
| Operating Systems | Windows, UNIX, LINUX, Mac OS. |
| Testing Frameworks | JUnit, Jasmine, Karma, Mockito, Enzyme, Jest, Log4j, Cucumber, Splunk, TDD, BDD, Postman, Selenium |
| Web Servers | Apache Tomcat, WebSphere, WebLogic, JBoss, Jetty, RBAC |
| Tools and Packages | GIT, IntelliJ IDE, Eclipse IDE, GitHub, Maven, Gradle, Jenkins, JIRA, Swagger, Grafana, Bitbucket, Docker, Kubernetes, Apache Camel, Kibana, Confluence, YAML, Helm charts, Solr. |
| Cloud | AWS, Azure, OpenShift, PCF. |
| Messaging | JMS MQ, Rabbit MQ, Apache Kafka, Active MQ, Amazon SQS |
| Languages | C, C++, Java 11/8, J2EE, JavaScript, Python 3.6.0, SQL |
| Web Technologies | jQuery, HTML, HTML5, CSS, CSS3, Bootstrap, TypeScript, AJAX, DOM, JSON, XML, SASS, SCSS |
| JavaScript Technologies | AngularJS, Angular 4/ 5/6/ 8/ 9/ 11/ 13/16, React.js, Next.js, Node.js, Express.js |

**EDUCATION:**

* Bachelor’s in computer science from Vignan University **2012**

**WORK EXPERIENCE:**

**Client: Union Bank of Switzerland, New Jersey, NJ Oct 2022 to till date**

**Role: Sr. Full Stack Java Developer**

**Responsibilities:**

* Developed dynamic, responsive user interfaces with **Angular 16**, **TypeScript**, **Bootstrap**, **HTML**, and **CSS**, focusing on high-quality, maintainable code.
* Built real-time data processing pipelines using **Apache Flink** for low-latency data ingestion and transformation.
* Acted as the **point of contact** for multiple PODs, handling end-to-end tasks in **Ordering**, **Address**, and **Payments** domains.
* Designed accessible web pages adhering to **WCAG standards** using **Angular 16** accessibility features.
* Optimized stream processing applications with **Apache Flink**, ensuring efficient high-throughput data streams.
* Configured **IBM MQSeries** security settings with **SSL/TLS**, authentication, and authorization to secure message data.
* Enhanced microservices data processing with **Java 8** features like **Streams**, **Collectors**, and **lambda expressions** for more efficient backend code.
* Utilized **Java 8** Date and Time API for precise time handling in application logic.
* Boosted performance using **Java 11** garbage collection improvements and the **HTTP Client API**, applying **lambda** and **switch expressions** for better readability.
* Streamlined code with **Java 11 features** like var in lambdas and enhanced string handling for improved efficiency and readability.
* Implemented **multithreading**, **concurrency**, and **exception handling** as needed for performance-critical applications.
* Utilized **J2EE Design Patterns** such as **Session Façade** and **Aggregate Entity** for robust middle-tier development.
* Designed scalable **RESTful APIs** using **Spring MVC** and **JAX-RS** within a microservices architecture.
* Converted a monolithic application to microservices using **Spring Boot** and **12-factor app** methodology.
* Extensively used **SOAP-UI** for testing web services across different environments.
* Wrote **JSP** and **Servlets** for application development while using the **Spring framework** for enterprise application management.
* Leveraged **Spring Cloud** for distributed system configuration management and microservices service discovery.
* Customized **Spring Data** repositories using query derivation to improve readability and development speed.
* Integrated **Actimize** with **Java Spring Boot** microservices for real-time fraud detection in banking, ensuring compliance with regulatory standards.
* Developed seamless **API integration** between **Actimize** and backend systems, ensuring efficient data exchange and fast fraud detection response times.
* Used **Spring Data REST** to expose repository methods as **RESTful endpoints**, speeding up API development.
* Managed **OAuth 2.0** and **OpenID Connect flows**, including **authorization code**, **implicit**, and **hybrid flows**, for diverse authentication needs.
* Enhanced real-time monitoring of financial transactions by leveraging **Actimize APIs**, minimizing fraud risks and improving transaction security.
* Scaled fraud detection systems using **Spring Boot microservices** to handle thousands of daily transactions with high reliability and performance.
* Implemented asynchronous data exchange using **AJAX** with **JSON** and **XML** in web services.
* Wrote **PL/SQL** stored procedures and utility functions for data management in **Oracle 11g** databases.
* Integrated **Oracle databases** with **Java backends** using **JDBC** and **JPA/Hibernate**, supporting smooth **CRUD**operations and scalable **RESTful APIs**.
* Built the **DAO layer** using **Cassandra** and **CQL**, running queries in **Cassandra Query Language (CQL)** for data retrieval.
* Created control file applications for **DB2 to Cassandra** seed data migration, working with mainframe-generated data files in various formats.
* Managed and tracked project issues using **JIRA**, leveraging custom workflows and the **Agile board**.
* Optimized **Spring Batch** for microservices data handling, enabling chunk processing and retry/skip logic in **CI/CD**pipelines.
* Designed and implemented **Apache Camel routes** to simplify integration patterns, ensuring flexible message routing across various endpoints.
* Deployed **Docker Images** to multiple **Kubernetes clusters** on **AWS**, optimizing application testing and performance.
* Utilized **UML diagrams** (class, sequence, and activity) for designing and documenting complex Java applications, ensuring clear communication of system architecture.
* Developed **Terraform scripts** to automate infrastructure provisioning and deployment in **AWS**, reducing deployment times by 50%.
* Optimized **Kafka cluster performance** by tuning configurations and monitoring server resources, ensuring efficient data streaming.
* Integrated **Kafka** with real-time data processing frameworks like **Apache Flink** and **Spark Streaming**.
* Developed error handling and message re-routing strategies using **Spring Integration**, ensuring robust message processing workflows.
* Applied **Spring Integration's Enterprise Integration Patterns (EIPs)** for message filtering, transformation, and aggregation to streamline data flow.
* Oversaw **CI/CD pipelines** using **Jenkins**, **Maven**, **Linux Shell scripts**, **Git**, and **GitLab** for automation and version control.
* Created custom **GitHub Actions workflows** for multi-environment deployments, enabling differentiated strategies across development, testing, and production environments.

**Client: Good Rx Healthcare, San Francisco, CA Apr 2020 to Sept 2022**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Designed and programmed system-level software for healthcare applications, focusing on **API**s and endpoint implementation for medicine coupons and health information management using a microservices architecture.
* Utilized cloud-native frameworks (specifically pivotal technologies) and integrated advanced database systems (**MongoDB, Cassandra**) to handle sensitive healthcare data securely.
* Implemented Router Module of **Angular 11** to convert the healthcare information system into a single-page application **(SPA),** enhancing user navigation and interface responsiveness according to healthcare requirements.
* Implemented Router Module of Angular 11 to convert the healthcare information system into a single-page application (SPA), enhancing user navigation and interface responsiveness.
* Employed new Angular 11 features such as the if-else syntax, ng-templates, and form validators to improve form handling and user interactions in healthcare.
* Designed and programmed system-level software for healthcare applications, focusing on APIs and endpoint implementation using a microservices architecture.
* Conducted system integration tests to verify that all code and functionalities operate correctly within the healthcare environment.
* Utilized **Scala** to build scalable microservices in the healthcare platform, ensuring reliable and efficient handling of large datasets
* Developed comprehensive unit tests using JUnit and Mockito for mocking dependencies, following TDD practices.
* Resolved issues with Angular11 CLI to manage and troubleshoot the Angular11 virtual environment, ensuring stability and performance optimizations for healthcare applications.
* Collaborated with agile team members, interacting with onshore Technical Leads and offshore Product Owners to refine and elaborate backlog requirements, ensuring compliance with healthcare regulations and patient privacy standards.
* Managed cloud-based applications using AWS EC2, ECS, S3, and RDS, ensuring scalability and reliability.
* Managed cloud-based applications using AWS services, leveraging Gradle to streamline build processes and maintain continuous delivery pipelines
* Created user interfaces with Spring MVC Framework, Spring Boot, Hibernate, JSP, HTML5, CSS3, JavaScript, Angular JS, and React JS.
* Developed GraphQL subscriptions to enable real-time data updates for client applications, providing a responsive user experience for live data scenarios such as appointment scheduling and prescription tracking.
* Developed comprehensive unit tests using JUnit and Mockito for mocking dependencies.
* Expertise in the Spring Framework used to develop robust cloud software solutions, enhancing healthcare application security and scalability.
* Utilized REST Assured and Postman to automate API testing for healthcare systems, validating data flow between frontend and backend services.
* Used **Scala** for real-time data processing in **Kafka** pipelines, enabling real-time updates for healthcare information like appointment scheduling and prescription tracking.
* Integrated Spring components like Spring MVC, Spring Security, and Spring Boot with microservices to facilitate secure and efficient API management for healthcare data.
* Developed RESTful services using Spring Boot, focusing on secure data exchange via REST APIs, and managing XML and JSON interfaces.
* Developed RESTful services using Spring Boot, focusing on secure data exchange for medicine coupons and healthcare information via REST APIs, managing XML and JSON interfaces.
* Ensured application reliability by deploying and testing on JBoss Server, using Spring Batch to schedule and automate batch process maintenance.
* Implemented GraphQL for efficient and flexible data querying. Maintained comprehensive documentation for Kafka configurations, deployments, and operational procedures. Utilized Git for version control, ensuring proper code versioning and collaboration.
* Implemented and maintained GraphQL for flexible and efficient data querying within the system.
* Managed Kafka message implementations to handle real-time data processing and integration within the healthcare platform, ensuring effective communication channels and system resilience.
* Utilized associated REST tools (Swagger, Postman, SOAP UI) to test HTTP requests and responses, ensuring the accuracy and reliability of API services in the healthcare system.
* Configured and managed MongoDB and Cassandra in secure environments, implementing best data encryption, backup, and recovery practices.
* Leveraged GCP to deliver a high-performance, secure, and reliable healthcare platform meeting stringent regulatory requirements.
* Conducted system integration tests to verify that all code and functionalities operate correctly within the healthcare environment.
* Participated in the growth of AWS foundational services, creating secure and compliant infrastructure setups for handling healthcare data.
* Integration of GCP services enhanced the overall user experience, ensuring responsive and efficient application performance.
* Created dynamic web applications using Node.js and integrated Redux for state management, focusing on responsive and interactive healthcare interfaces
* Utilized Cucumber to write step definitions and glue code, enabling the reuse of test steps across multiple scenarios and improving test maintainability.
* Worked closely with component teams to troubleshoot and resolve issues, ensuring all systems operated smoothly and met healthcare standards.
* Used GIT for version control across the healthcare project, tracking changes and managing code deployments effectively.
* Performed end-to-end testing using Protractor, integration testing with Selenium, and behavioral-driven testing with Cucumber to ensure comprehensive coverage and functionality of the healthcare platform.

**Client: Albertsons, Dallas, TX. DEC 2017 to Mar 2020**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Collaborated with Business Analysis teams, Product Owners, and Clients to gather and analyze requirements for the e-commerce platform, translating them into functional and technical specifications with the help of solution architects.
* Engaged in all phases of the Software Development Life Cycle (SDLC) for the e-commerce project, including requirements gathering, design, coding, integration, deployment, and production.
* Successfully integrated a Warehouse Transportation Management System (WTMS), enhancing inventory control and order fulfillment accuracy. Led backend developments, significantly improving operational efficiencies and reducing manual processing errors.
* Developed RESTful web services for the e-commerce platform using Node.js and Express.js, utilizing the full capabilities of Express middleware for efficient API management.
* Seamlessly integrated WTMS with existing technologies such as Node.js, Spring, and MongoDB. Ensured real-time data syncing and streamlined operations, enhancing logistics handling capabilities.
* Created TypeScript reusable components and services to consume REST APIs, employing Angular 7/6’s component-based architecture to enhance front-end functionality.
* Implemented RESTful API services using Express.js, centralizing business logic and streamlining data retrieval operations atop Node.js for the e-commerce system.
* Developed single-page applications (SPAs) for the e-commerce dashboard using Angular and integrated **NgRx** for state management, ensuring consistent and predictable state across the application.
* Utilized Docker and Kubernetes for containerization and orchestration, ensuring scalable application deployment.
* Utilized Axios for AJAX calls to pull data from REST APIs and managed HTTP requests for interacting with various e-commerce endpoints.
* .Participated in developing RESTful web services for the e-commerce site using the MERN stack (MongoDB, Express.js, React-Redux, and Node.js).
* Developed single-page applications (SPAs) for the e-commerce dashboard using React.js, integrating various Redux library components for state management.
* Designed and implemented the e-commerce application using Spring and **J2EE frameworks**, focusing on robust back-end services.
* Managed high-volume databases using JPA with Hibernate and Apache Cassandra
* Created Angular services and components to interact with REST APIs, and utilized **NgRx** to handle complex state interactions, improving the performance and maintainability of the e-commerce platform.
* Built the **e-commerce platform’s** web-based application using Spring MVC architecture and RESTful web services for seamless server-client interaction
* Worked closely with the **DevOps** team to integrate Selenium automation scripts into Jenkins pipelines, facilitating continuous testing during deployments.
* Utilized Karate for behavior-driven development **(BDD)** testing to create and run automated acceptance tests, improving the reliability and maintainability of **API** services.
* Managed high-volume **databases** using JPA with Hibernate and Apache **Cassandra**, building the e-commerce platform’s web-based application using Spring MVC architecture and RESTful web services.
* Implemented **React** Routers and connected **APIs**, enhancing server communication and simulating server responses using mock **services in Node.js** with Express.js.
* Developed a **real-time e-commerce** dashboard featuring business customer counts, **flags,** and analytical reporting graphs using **Node.js** and Ajax.
* Implemented Oracle Advanced Security for data encryption and virtual private database policies to ensure data privacy and compliance with industry regulations like **PCI DSS** for payment data.
* Engineered **WTMS** solutions to scale effectively with the business growth, **using AWS, Pivotal Cloud Foundry,** and Kubernetes. Optimized cloud infrastructure to support increased e-commerce traffic and transaction volumes.
* Implemented JSON Web Tokens **(JWT)** for secure authentication and authorization in the e-commerce platform, **using Node.js.**
* **Employed React.js** **virtual DOM**, React-Redux for state management, and React-Router for dynamic client-side content management in the e-commerce application.
* Implemented asynchronous CRUD operations in **MongoDB** with the Mongoose connector, ensuring robust data management in the e-commerce backend.
* Created **Angular 7/6 HTTP** Client interceptors to append JWTs to outgoing requests, securing client-side communications in the e-commerce application.
* Worked closely with the **Kafka** Admin team to establish and manage Kafka clusters in QA and production environments, enhancing message-handling capabilities for the e-commerce platform.
* Developed and implemented unit and integration tests using chai and mocha to ensure the robustness and reliability of the e-commerce software.
* Managed e-commerce databases using **Amazon RDS for PostgreSQL**, taking advantage of its scalability and managed services to reduce overhead and improve system reliability.
* Integrated Karate tests into Jenkins pipelines to automate the execution of test cases, enhancing the efficiency of the deployment process.
* Utilized Selenium to create a web-based automation test suite for functional testing of the e-commerce platform.
* Hosted and managed microservices for the e-commerce system on **AWS** cloud infrastructure, leveraging Jenkins for **CI/CD** pipelines to streamline deployments.
* Utilized Pivotal Cloud Foundry and Kubernetes to build, **deploy**, and manage e-commerce applications quickly and efficiently, with **Docker** for containerization.

**Client: Semantic Space, Hyderabad, India. Apr 2015 to Aug 2016**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Designed and Developed UI for Customer Service Modules and Reports using **Angular1.5, HTML5, CSS3, Bootstrap3, JavaScript, and jQuery.**
* Used a Microservices **architecture**, with **Spring Boot-based** services interacting through a combination of REST and Spring Boot.
* Configured Queues and Topics as part of application integration and defined Camel routing between queues/topics.
* Mainly responsible for developing Restful **API** using Spring framework. **Developed different controllers that return the response both in JSON and XML based on the request type.**
* Web Services in JAXP based on SOAP protocols using XML and XSLTW and created data sources with JDBC.
* Used CSS3 for describing the presentation of Web pages, including colors, layout, and fonts. Validations for the Client Side were done using JavaScript.
* Maintained 24/7 high-volume availability demands using open-source tools such as Linux, Apache, PHP, and MySQL.
* Developed real-time tracking of class schedules using Node JS (socket.io based on socket technology, Express JS framework).
* Created a data model for structuring and storing the data efficiently and implemented partitioning and bucketing of tables in Cassandra.
* Involved in securing API proxies using various mechanisms like **API key**, **Spring OAuth, LDAP**, and content protection policies in Apigee Edge.
* Developed application using Spring MVC- Implemented various controllers and used spring's component scan and auto wiring functionalities.
* Developed views using Bootstrap components, **Angular-UI**, and involved in configuring routing for various modules using angular UI router.
* Involved in writing application-level code to interact with APIs, and Web Services using AJAX, JSON, and XML.
* Configured Oracle connection pool, which is included in the Oracle JDBC driver JAR file, to allow concurrent access to the database and optimize performance.

**Client: Intergraph Corporation, Hyderabad, India Jul 2012 to Mar 2015**

**Role: Java Developer**

**Responsibilities:**

* Developed Java/J2EE applications focusing on backend logic, data processing, and system integration, **utilizing Core Java for efficiency, and integrating scalable microservices with Spring Boot.**
* Worked on enhancements to the existing application, which was implemented using the MVC paradigm, implemented by Spring Framework.
* Developed and consumed RESTful web services for secure and scalable data exchange between systems.
* Involved in the development of user interface applications and professional web applications using HTML, CSS3, JavaScript, jQuery, Ajax, and Bootstrap.
* Designed and implemented database schemas in PostgreSQL, optimizing tables and relationships for performance and scalability in web application development.
* Microservices development using spring boot and deployment in Pivotal Cloud Foundry (PCF).
* Experienced with Middleware Technology Messaging Brokers like JMS, and Active MQ in SOA (Service Oriented Architecture).
* Managing project issues with JIRA and documenting processes in Confluence for seamless collaboration.
* Implement Selenium for automated testing of web applications, enhancing reliability and robustness.
* Manage data with DynamoDB, focusing on performance and scalability for handling unstructured data.
* Conduct performance testing and follow TDD principles for web applications using Apache JMeter.

**Environment**: Java, J2EE, Git, Spring Framework, Core Java, REST Web Services, JavaScript, HTML5, CSS, SASS, JIRA, Confluence