**Rajesh**

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**PROFESSIONAL SUMMARY:**

Experienced Sr. Java Full Stack Developer with 7+ years of expertise in frontend and backend development, cloud deployment, database management and testing using different frameworks in the Agile methodology.

**Frontend:**

* Developed and maintained multiple web applications using Angular 2+ (2, 6, 8+) framework.
* Utilized RxJS library for implementing reactive programming and state management.
* Experienced in writing efficient and reusable Angular components, services, and directives.
* Developed ReactJS applications and components, leveraging React hooks, Redux for state management, and React Router for navigation.
* Implemented responsive and mobile-friendly designs using CSS frameworks like Bootstrap and Material-UI in ReactJS applications.
* Implemented client-side form validation and data manipulation using JavaScript and React libraries, enhancing user experience and data integrity in the applications.

**Backend:**

* Specialized in Java Restful API development, Spring Boot Microservices development with Docker CE and Open-source Kubernetes.
* Specialized in creating Docker images with the Restful Java API, Spring Boot using the Docker-file with the Maven Spotify plugin.
* Designed, Developed, and Implemented J2EE Microservices, Docker CE, and Jenkins CI pipeline.
* Proficient in Web Development Technologies - J2EE REST API, SOAP, JBoss, WebSphere, Apache Tomcat.
* Strong hands-on experience with Spring IO, Spring Boot.
* For Messaging services used JMS and Kafka.
* Worked on Hibernate by writing persistence classes. Experience in using Hibernate for mapping Java classes with a database and using Criteria API and Hibernate query language (HQL).
* Designed and developed end-to-end ETL solutions using Java, ensuring efficient data extraction, transformation, and loading from diverse source systems.
* Created custom Java code for data extraction, leveraging APIs and database connections to collect and ingest data into the ETL pipeline.
* Utilized Python's extensive standard library and third-party packages to efficiently solve complex problems and deliver robust software solutions.
* Designed and implemented web applications using Python-based web frameworks such as Django and Flask.
* Leveraged Python libraries including Pandas, NumPy, and Matplotlib to perform data analysis and visualization tasks.

**Cloud:**

* Developed and deployed applications on AWS Cloud with Spring Boot, Docker, and Microservices development.
* Utilized CloudWatch Events to automate the triggering of Lambda functions based on specific events or a schedule, enabling proactive system management and automated remediation.
* Created Lambda functions in various programming languages such as Python, Node.js, Java, and Azure Functions, implementing business logic, data processing, and integrations with other AWS and Azure services.
* Implemented event-driven architectures using Lambda, S3, SNS, ECS, and DynamoDB, enabling asynchronous and event-based processing of data and events.
* Designed and implemented scalable and secure Amazon S3 buckets and Azure Storage to store and retrieve large amounts of data, ensuring data durability, integrity, and availability.

**Database:**

* Design and implementation experience in Postgres, NoSQL MongoDB, SQL, Oracle.
* Designed and implemented NoSQL data models using Amazon DynamoDB and Azure Cosmos DB, ensuring high-performance, scalable, and fully managed database operations.
* Utilize Cassandra's query language (CQL) to perform complex queries and aggregations on financial data stored in Cassandra DB.
* Leverage Cassandra's support for materialized views, secondary indexes, and clustering keys to optimize data retrieval and analysis.

**Testing:**

* Worked on the implementation of testing strategies, including unit testing and integration testing, for both frontend and backend applications.
* Conducted performance testing and optimization to enhance the overall performance and scalability of the applications.
* JUnit and Mockito were utilized for backend unit testing, ensuring the correctness and reliability of the code.
* SOAPUI Pro and Postman were employed for API testing, allowing thorough testing of web services and verifying their functionality and adherence to specifications.
* Jasmine and Karma were used for frontend unit testing, ensuring the correctness of user interfaces and interactions.
* Jest was implemented specifically for ReactJS unit testing, verifying the functionality and rendering of React components according to expected specifications.

**TECHNICAL SKILLS:**

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| Cloud and Platform | AWS, AZURE |
| Languages | Java 8+, SQL, PL-SQL, HTML, XML, JSON, CSS |
| Scripting | Java Script, Angular JS, Angular 2+(6,8,12+) AJAX and Unix Shell script |
| Web Services | SOAP API, REST API, Micro services |
| Framework | Spring, Spring Cloud, JSF, Struts, JPA, Hibernate, Spring boot |
| CI/CD tools | Ant, Maven, Jenkins, Git, SVN, Sonar, Docker, Kubernetes |
| IDE | Eclipse, Spring tool suite, IntelliJ, VS Code |
| Web/Application Servers | Web sphere, Apache Tomcat |
| Testing tools | JUnit, Mockito, SOAPUI Pro, Postman, Jasmine, Karma, Jest |
| Database | Postgres, Mongo DB, Cassandra, Oracle, MS SQL Server |
| Operating Systems | Windows, Red Hat Linux and other UNIX flavors |
| Agile Development tools | JIRA, Confluence, Rally |
| Logs frameworks / tools | Log4j, Logback, SLF4J, Splunk, Oracle Trace, MongoDB Profiler, React-logger, Redux-logger |

**PROFESSIONAL EXPERIENCE:**

**Client: Equifax Feb 2023 to Present**

**Location: St. Louis, MO**

**Role: Sr. Java Fullstack Developer**

**Responsibilities:**

* Developed a Java-based backend system to securely ingest and store large volumes of financial data from multiple sources, such as credit bureaus, banks, and transaction records.
* Implemented data processing pipelines in Java to clean, transform, and normalize financial data, ensuring data accuracy and consistency.
* Implemented complex data transformations in Java, including data cleansing, aggregation, and enrichment, resulting in improved data quality.
* Developed and maintained ETL workflows using Java-based frameworks and libraries, ensuring the seamless flow of data between systems.
* Established data validation processes within ETL pipelines, reducing data errors and discrepancies.
* Collaborated with cross-functional teams to define ETL requirements, ensuring alignment with business objectives and data needs.
* Deploy the Cassandra cluster on the Azure cloud platform using Azure Virtual Machines or Azure Managed Disks.
* Configure the Cassandra cluster for optimal performance and resilience, including replication factor, consistency level, and cluster topology.
* Utilize Azure's scaling capabilities to dynamically adjust the size of the Cassandra cluster based on data volume and application needs.
* Designed and utilized MongoDB as the database to efficiently store structured financial data, implementing proper indexing and scalability measures.
* Developed algorithms and models to analyze financial data, calculating credit scores based on predefined parameters and scoring methodologies.
* Leveraged MongoDB's aggregation framework to perform complex queries and aggregations on financial data, deriving meaningful insights for risk assessment.
* Integrated ReactJS to create a user-friendly web interface for financial institution users to access the credit scoring and risk assessment system.
* Implemented interactive charts and graphs using ReactJS to visualize credit scores, risk indicators, and other relevant metrics for easy interpretation.
* Developed decision support tools within the application to provide recommendations and alerts based on risk thresholds and lending policies.
* Created reporting modules that generated comprehensive reports on credit scores, risk profiles, and lending assessments for individuals and businesses.
* Implemented real-time monitoring capabilities to track changes in credit scores and risk indicators, enabling proactive risk management and intervention.
* Ensured application security and compliance by adhering to industry best practices and data privacy regulations, such as GDPR and CCPA.
* Implemented data encryption and user access controls to protect sensitive financial data and ensure secure access.
* Optimized system performance by leveraging MongoDB's indexing and sharing capabilities, enhancing data retrieval and processing efficiency.
* Designed and implemented a scalable architecture that handled increasing data volumes and user traffic while maintaining responsiveness.
* Integrated ReactJS with Azure App Service to develop a user-friendly web interface hosted on Azure, enabling financial institution users to access the credit scoring and risk assessment system.
* Utilized Azure Application Insights to monitor application performance, detect anomalies, and optimize user experience.
* Developed Python scripts for automating repetitive tasks, improving operational efficiency.
* Utilized Python's extensive standard library and third-party packages to efficiently solve complex problems and deliver robust software solutions.
* Automated data extraction, transformation, and loading (ETL) processes, reducing manual effort and minimizing errors.
* Developed reporting modules on Azure using Azure Synapse Analytics (formerly Azure SQL Data Warehouse) to generate comprehensive reports on credit scores, risk profiles, and lending assessments.
* Leveraged Azure Monitor to implement real-time monitoring capabilities, enabling proactive risk management by tracking changes in credit scores or risk indicators.
* Implemented CI/CD pipelines using Azure DevOps to automate build, test, and deployment processes, ensuring faster and more reliable application delivery.
* Utilized Azure Container Registry for container image storage and Azure Container Instances for rapid deployment and scaling of application components.
* Collaborated with cross-functional teams to gather requirements, provide technical expertise, and deliver a robust and scalable web application for credit scoring and risk assessment.
* Actively participated in code reviews, providing constructive feedback and suggestions for improving code quality, maintainability, and performance.
* Actively engaged in team meetings, brainstorming sessions, and knowledge sharing sessions to foster a collaborative and innovative work environment.
* Maintained up-to-date knowledge of the latest industry trends, technologies, and best practices, continuously enhancing technical skills and knowledge to deliver cutting-edge software solutions.
* Demonstrated strong analytical, problem-solving, and debugging skills to identify and resolve complex technical issues efficiently.
* Proactively identified and communicated risks, issues, and roadblocks to project stakeholders, proposing effective mitigation strategies and solutions to ensure successful project delivery.
* Exhibited excellent communication skills, both verbal and written, in collaborating with team members, stakeholders, and clients, ensuring effective communication and understanding of project requirements.
* Consistently delivered high-quality software solutions within deadlines, successfully meeting project objectives and exceeding client expectations.

**Environment**: ReactJS, Azure SQL Data, Azure DevOps, Cassandra, Mongo DB, Docker, Kubernetes, Jenkins, GIT, Spring MVC, UML, SOAP, REST API, JSON, ORACLE, Postman, Rally, Confluence.

**Client: Humana INC Aug 2021 to Dec 2022**

**Location: Louisville, KY**

**Role: Sr. Java Fullstack Developer**

**Responsibilities:**

* Orchestrated the technical aspects of software development within a specific team, ensuring a steadfast focus on quality standards, which led to a notable 20% decrease in defects.
* Collaborated closely with quality assurance teams to establish efficient scripts, test cases, and automation protocols, resulting in a commendable 30% improvement in overall testing efficiency.
* Conducted thorough investigations into issues and defects, successfully identifying root causes and providing valuable recommendations for corrective actions, resulting in an impressive 50% reduction in bug recurrence rate.
* Enforced code coverage and inclusion of unit test cases within the review process, contributing to a noteworthy 25% enhancement in overall code quality.
* Created detailed ETL documentation, including data mappings, transformation logic, and error-handling procedures, for enhanced team collaboration.
* Optimized ETL performance through Java multithreading and parallel processing techniques, reducing overall processing time.
* Successfully integrated ETL processes with various data storage solutions, including relational databases, data warehouses, and cloud-based storage platforms.
* Adapted ETL solutions to evolving business needs, accommodating changing data sources and requirements while maintaining data consistency.
* Developed Python scripts for automating tasks, streamlining operations, and enhancing productivity.
* Developed Python scripts for automating repetitive tasks, improving operational efficiency.
* Automated data extraction, transformation, and loading (ETL) processes, reducing manual effort and minimizing errors.
* Actively contributed within an Agile team environment to accomplish project objectives within prescribed deadlines, actively participating in sprint planning and stand-up sessions.
* Developed and maintained multiple web applications utilizing Angular 8+ framework, effectively implementing user-friendly UI designs with Angular Material, Bootstrap, and CSS, resulting in heightened user satisfaction and increased engagement.
* Leveraged the power of RxJS and ngRx library to implement reactive programming and efficient state management, optimizing performance and enhancing the overall user experience.
* Implemented highly efficient and reusable Angular components, services, and directives, strictly adhering to best practices and coding standards, ensuring long-term maintainability and scalability.
* Successfully implemented robust security features, including JWT-based authentication and authorization, ensuring data confidentiality, integrity, and compliance with security requirements.
* Implemented responsive design principles using CSS media queries and Angular Flex Layout, ensuring seamless user experiences across various devices and screen sizes.
* Designed and developed scalable microservices utilizing Spring Boot, Docker, and REST API, significantly improving system scalability and performance for backend systems deployed on AWS VPC.
* Utilized Java 8, Spring Boot, Spring Core, JPA, and SQL Server for robust and efficient backend development, enabling seamless and optimized system interactions.
* Skillfully integrated REST-based microservices with Rest Template, enhancing system integration and communication for improved interoperability.
* Actively contributed to the analysis and review of business requirements, providing valuable inputs for system design and development.
* Successfully designed and developed RESTful web services using Java, Spring, and Spring Boot, meeting business requirements and fostering improved system interoperability.
* Implemented microservices using Spring Boot to streamline CRUD operations on assignment information, significantly enhancing system functionality and performance.
* Followed Agile methodologies and Test-Driven Development (TDD) practices for software development, ensuring the delivery of high-quality, well-tested deliverables within specified timelines.
* Utilized Sonar for comprehensive code quality and code coverage analysis, promptly identifying and resolving issues to maintain exemplary code integrity and adherence to quality standards.
* Designed, executed, and maintained Cucumber WebDriver testing and automated test cases for reliable regression testing, ensuring robust and dependable testing processes.
* Developed RESTful microservices using Spring Boot to enhance system functionality and interoperability.
* Store and retrieve financial data efficiently using Cassandra's distributed architecture and highly scalable design.
* Take advantage of Cassandra's automatic data partitioning and replication across nodes for high availability and fault tolerance.
* Benefit from Cassandra's tunable consistency levels to balance data consistency and performance based on application requirements.
* Created and configured AWS buckets with versioning and security mechanisms, ensuring secure and reliable file storage and management.
* Developed a batch framework using Spring Boot Batch, significantly improving data processing and system performance.
* Leveraged Jenkins for seamless continuous integration and artifact deployments in QA environments, ensuring efficient integration and testing processes.
* Provided dedicated production support, resolving issues and incidents promptly to minimize system downtime and disruptions.

**Environment**: Angular 8, AWS, Mongo DB, Docker, Kubernetes, Jenkins, Spring MVC, REST API, Cassandra, ORACLE, GITHUB, Postman, JIRA, Confluence.

**Client: Convergys Technologies Jan 2019 to Jul 2021**

**Location: Hyderabad, India**

**Role: Sr. Java Fullstack Developer**

**Responsibilities:**

* Implemented Microservices-based cloud architecture using Spring Boot for scalability and flexibility.
* Utilized Hibernate ORM framework for working with databases, including ORM and JPA for comments.
* Used Maven as a build automation tool for deploying projects on Tomcat Application Server.
* Led the development of Spring Configuration XML files for object declarations.
* Developed and maintained Continuous Integration framework using Jenkins for automated builds and deployments.
* Configured JMS queues for connecting to back-end systems in a distributed architecture.
* Utilized JIRA as a defect tracking tool during the QA phase of the project.
* Implemented JAVA/J2EE design patterns for efficient software development.
* Implemented RESTful and SOAP-based APIs using JAX-RS and JAX-WS respectively.
* Designed and implemented applications using various Spring frameworks and JDBC.
* Implemented unit testing using JUnit for code quality and reliability.
* Developed and maintained web applications using Angular 6 framework with user-friendly UI designs.
* Utilized RxJS library for reactive programming and state management in Angular applications.
* Leveraged Python libraries including Pandas, NumPy, and Matplotlib to perform data analysis and visualization tasks.
* Worked with observables and subjects for real-time data transfer between components.
* Utilized CloudWatch Events to automate triggering of Lambda functions based on specific events or schedule.
* Designed and implemented scalable and secure Amazon S3 buckets for data storage.
* Implemented Object-Relational Mapping (ORM) using libraries like SQLAlchemy for database interaction in Python applications.
* Designed and implemented NoSQL data models using Amazon DynamoDB for high-performance operations.
* Utilized DynamoDB Streams for capturing real-time database changes and triggering processing.
* Built and maintained NoSQL schemas using MongoDB for indexing, aggregation, and data sharing.
* Developed and retrieved NoSQL data using MongoDB DAOs for business logic layer.
* Stored and retrieved user data from MongoDB for application on devices.
* Wrote SQL queries and stored procedures for efficient interaction with Oracle DB.
* Performed functional testing of SOAP and Restful Web Services using SOAPUI Tool.
* Facilitated the Scrum-Sprint process using JIRA as a requirement tracking tool.

**Environment:** Angular 6, HTML, CSS, AWS, EC2, S3, Mongo DB, YAML, Docker, Kubernetes, Jenkins, GIT Spring MVC, XML, UML, SOAP, REST API, GitHub, JIRA.

**Client: Sparklink Technologies Jan 2017 to Dec 2018**

**Location: Hyderabad, India**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Reviewed business user requirements and participated in meetings with Business Analysts to gather and clarify requirements.
* Interacted with Product Managers to fine-tune user stories and requirements and worked with the testing team to approve Functional Specification and test cases.
* Designed UML diagrams based on OOAD principles.
* Used JSP, JavaScript, CSS, Bootstrap, and AngularJS 2 to create interactive user interfaces.
* Created AngularJS controllers, services, and filters for search box and integrator functionalities.
* Developed maven archetypes for generating fully functional REST web services supporting both XML and JSON message transformation, built on Spring 3.0 technology.
* Implemented client interfaces and implementation classes to consume web services.
* Invoked REST web services through AngularJS services to get JSON Objects and modified the response objects for display in UI.
* Developed REST architecture-based web services for communication between clients and servers.
* Implemented applications relying on Service Oriented Architecture (SOA) using Web Services, SOAP, and RESTful.
* Implemented DAOs and entities using Hibernate API and Hibernate QL.
* Designed and implemented Oracle DB schema and wrote services to store and retrieve user data from Oracle DB for application on devices.
* Utilized LOG4j extensively for logging regular Debug and Exception statements.
* Created build files using Maven.
* Designed, developed JSP, Servlets, and deployed them on WebSphere Application Server.
* Developed Spring AOP programming for application logging configuration.
* Configured Hibernate Session Factory, Hibernate mapping files, dependencies between delegate classes, DAOs, controller classes, validation classes, and domain Objects as part of the Spring configuration file.
* Used Hibernate and JPA ORM frameworks for database connectivity.
* Designed and developed service business processes and data access to Oracle database and back-end layers with JAXB, JMS, and XML.
* Built RESTful web services using JAX-RS API.
* Wrote unit testing codes using Junit and resolved bugs and defects using Firebug and Eclipse's debugging tool.
* Supported application(s) in production, performing problem-solving exercises to identify and resolve interruptions or bugs in operation and ensure continued use of the application.
* Performed User Interface (UI) testing, Functional testing, and Regression testing.
* Developed test scenarios, test cases, test data, test procedures, and test reports.

**Environment:** J2EE MVC, Hibernate, AngularJS, XML, SOAP, RAD 7.5, SQL Server, WebSphere 6.1, SOAP UI, Oracle DB.

**Client:** **Webzone Interactive Oct 2015 to Dec 2016**

**Location: Bangalore, India**

**Role: UI Developer**

**Responsibilities:**

* Proficient in HTML5, CSS, AngularJS, JavaScript, jQuery, Ajax, JSON, and Bootstrap, with MySQL database as backend.
* Refactored and enhanced existing AngularJS application to follow strict MVC patterns, resulting in 40% code reduction, improved source code maintenance, scalability, and enhanced performance.
* Implemented AngularJS for creating animations based on CSS classes.
* Utilized AngularJS as a framework for creating Single Page Applications (SPA) for data binding and synchronization with the server.
* Created, edited, and maintained responsive design themes using front-end development frameworks, including Bootstrap.
* Upgraded existing CSS and DIV tags using Twitter Bootstrap model.
* Utilized Bootstrap front-end framework for faster and efficient web development.
* Involved in all phases of UI/UX implementation of a Travel Search and Booking web application, including Design, Prototyping, Development, and Testing.
* Extensively used jQuery selectors for updating DOM node content.

**Environment**: HTML5, CSS, AngularJS, JavaScript, jQuery, Ajax, JSON, MySQL, Bootstrap.

**Education:**

* Masters at University of Central Missouri, 2022.
* Bachelors at Vijay Rural Engineering College, 2016.