**Vaishnavi Kaleru**

***Java Full Stack Developer***

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**PROFESSIONAL SUMMARY**

* IT professional with 10 years of experience in Full Stack Development with React.js (16,17,18) and Java/J2EE technologies, covering analysis, design, implementation, testing, and maintenance of enterprise applications.
* Experience in large-scale Software Development Life Cycle (SDLC) including Requirement Analysis, Project Planning, System and Database Design, UML modeling, Object-Oriented Analysis and Design (OOAD), Development, Testing, Implementation, and Documentation.
* Strong knowledge and experience in multi-tiered distributed environments, OOPS, OOAD concepts, SDLC, and Service-Oriented Architecture (SOA).
* Proficient in developing Use Cases, Activity Diagrams, Sequence Diagrams, and Class Diagrams using tools like Toad Data Modeler and MySQL Workbench.
* Expert in Core Java with deep understanding of collection frameworks, multithreading, and performance optimization.
* Skilled in J2EE Design Patterns such as MVC, Singleton, Session Facade, Business Delegate, and DAO for building scalable applications.
* Proficient in modern web development using HTML5, CSS3, JavaScript (ES6+), and AJAX technologies.
* Developed rich UI components and screens using React (Hooks, Redux, Router) with component-driven architecture and reusable code patterns.
* Experienced in integrating React frontends with RESTful APIs built using Spring Boot, Spring MVC, and Hibernate ORM.
* Hands-on expertise in Spring Framework features including MVC, AOP, IOC, DAO, DTO, and template classes.
* Experienced in modern JavaScript frameworks like Vue.js, and backend development with Spring Boot, Hibernate, and Node.js.
* Experienced in developing and consuming web services including SOAP, WSDL, JAX-WS, and RESTful APIs.
* Installed, configured, and tuned WebLogic Server, Apache Tomcat, and JBoss for optimal application performance.
* Proficient in using IDE tools like Eclipse, IntelliJ IDEA, and VS Code for React and Java full-stack development.
* Experienced in database modeling, SQL, T-SQL, and PL/SQL development in Oracle and SQL Server.
* Worked with AWS services such as EC2, S3, RDS, DynamoDB, Elastic Beanstalk, SNS, SQS, and IAM for cloud-based deployments.
* Developed services utilizing AWS SDKs (Lambda, DynamoDB, Elastic Beanstalk) and integrated with cloud resources.
* Familiar with CloudFormation, CloudWatch, CloudFront, and AWS security group configurations.
* Experienced in working with Windows, Unix, and Linux environments.
* Strong skills in writing SQL queries for data mining, reporting, and analysis using Power BI and Crystal Reports.
* Well-versed in business workflows and translating user requirements into technical solutions.
* Proficient in MVC architecture and experienced with version control tools like Git and SVN.
* Experienced in React component libraries, animations, form handling, and event-driven architecture.
* Knowledge of Apache Camel integration for Java-based microservices.
* Implemented lazy loading, code splitting, and route guards in front-end applications to optimize performance and enhance security.
* Collaborated with cross-functional teams to design and deliver microservices integrated with modern JavaScript frontends for seamless user experiences.
* Used Jest and Testing Library for unit and integration testing of UI components, ensuring high code quality and maintainability.
* Proficient in using various development tools and editors such as Eclipse, WebStorm, and Sublime Text.
* Expert in developing multi-tier web applications ensuring clear separation of concerns for maintainability.
* Excellent communication skills for translating business requirements into interactive applications.
* Experienced in all phases of SDLC including design, development, testing, and deployment

**EDUCATION**

* Bachelor in Computer Science from Jawaharlal Nehru Technological University, Kakinada, India.

**TECHNICAL SKILLS**

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| **Programming Languages and Frameworks** | Java, J2EE, JavaScript, TypeScript, SQL, PL/SQL, Python, C, C++, Core Java, Servlets, JSP, JSTL, JDBC, JPA, Hibernate ORM, Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Spring Cloud, Node.js, Angular JS, React.js, Express.js, Vue.js, Redux, Bootstrap, jQuery |
| **Cloud** | AWS (EC2, S3, ECS, DynamoDB, EKS, RDS, CloudWatch, Lambda), Azure (AKS, Service Bus, Logic Apps, Blob Storage, Cosmos DB, ADF), IBM Cloud Private, Google Cloud Platform (GCP) |
| **Mark-up/XML Technologies** | HTML5, CSS3, XML, XSD, JSON, SCSS |
| **Web/App Servers** | IBM WebSphere, JBoss, BEA WebLogic, Tomcat |
| **Database** | PostgreSQL, MySQL, Oracle, SQL Server, MongoDB, DB2, Cassandra, BigQuery, Redis |
| **Web Services/API Services** | SOAP, RESTful, JAX-RS, JAX-WS, Micro Services, OpenAPI (Swagger), Graph QL. |
| **Testing Tools, Logging/Others** | JUnit 5, Mockito, Jasmine, Karma, Cypress, Cucumber, Selenium Postman, JMeter, Log4J, Slf4J |
| **Version Control** | GIT, GitHub, Bitbucket, SVN |
| **IDE’s** | Eclipse, IDEA IntelliJ, VS Code |
| **Security** | OAuth 2.0, JWT, Spring Security, SAML, LDAP, Role-Based Access Control (RBAC), Multi-Factor Authentication |
| **CI/CD** | Jenkins, GitHub Actions, Docker, Kubernetes (EKS, AKS), Terraform, Helm, SonarQube, SonarLint, Maven, Gradle, Ant |
| **Messaging & Streaming Technologies** | Apache Kafka, RabbitMQ, IBM MQ, ActiveMQ, Azure Service Bus |

**PROFESSIONAL EXPERIENCE**

***Client: Guardian Life, NYC, NY June 2023 – Present***

***Role: Java Full Stack Developer***

***Responsibilities:***

* Sound Knowledge about the entire (SDLC) of the project right from the designing of the project till the implementation phase of the project.
* Developed and tested some features for dashboard using Ruby on Rails, Bootstrap, CSS3, JavaScript.
* Worked in the design and development phases of the application using Ruby on Rails framework.
* Involved in developing and implementation of the web application using Ruby on Rails.
* Experience with all the gems and libraries for this version of the ruby on rails.
* Designing the website using Ruby on Rails, backed by Capistrano and MySQL to automate and ease the deployment process on Phusion Passenger server.
* Maintaining the existing Ruby on Rails reports application and performing enhancements using JQUERY, HTML5 for better look and feel.
* Expertise in using CSS3, HTML5, React.js 18, TypeScript, ES6, JavaScript, JSON and jQuery to create UI web pages.
* Developed user interface by using the React JS, Flux for SPA development, also used React forms for data driven form components and React router to define module level routing.
* Used React.js to capture user actions and render the relevant action, as well as dynamically render the UI based on user actions.
* Expertise in creating Custom Reusable React Components Library for clients and experienced in working with Redux architecture using complex Object-Oriented concepts in improving the performance of the websites by displaying data using React WIF, Redux, ES6.
* Worked on React Virtual DOM and React views, rendering using components which contain custom HTML tags. Utilized Web Sockets with React to maintain consistent and real-time state across users.
* Involved to implement various client-side interfaces on the front end using React.js and used various predefined components from NPM and redux library and deployed application to NGINX.
* Experience in Vue.JS for building apps and declarative templates with data binding, created some custom directives in the application.
* Writing SQL Queries for data mining and data analysis Power BI of the data to validate the data used for testing.
* Designed and developed the crystal reports.
* Used React http service to make GET/POST/PUT/DELETE to deal with API request and response.
* Experience in using Java 17 features such as Lambdas, Streams, Observables and Completable Futures etc.
* Worked with Spring annotations mechanism to create RESTful applications.
* Designed and documented REST/HTTP APIs, including JSON data formats and API versioning strategy.
* Implemented REST API web service to fetch data from MongoDB.
* Used Enterprise built security wrapper to secure REST endpoints, using policies to provide secure access.
* Developed microservices using spring framework, benefiting from auto-configuration using spring-boot, securing with spring security and J2EE standards, with additional lightweight backend services built in Node.js for rapid API development.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API’s and Spring Boot for microservices.
* Used swagger framework for rest API documentation.
* Used Spring JDBC templates for database interactions and used declarative Spring AOP transaction management.
* Implemented Kafka consumer and producer configurations to use for high-volume streaming with pub-sub models using multiple inheritance AVRO schemas with the same topic.
* Worked on services to initiate Global file transfer integrating with scheduler to run as batch job.
* Designing complex application Oracle database statements for querying, updating, and reporting.
* Used spring data JPA with default implementation of hibernate ORM for database connectivity to abstract the complex configuration involved with connection management.
* Deployed Spring Boot based Microservices in Docker and Amazon EC2 containers using Jenkins.
* Created scripts for data modeling and data import and export. Work involves deploying, managing, and developing MongoDB clusters.
* Experience in creating JavaScript for using DML operations with MongoDB.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
* Created AWS EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
* Skills at using testing tools such as Postman, Jest, Enzyme, JUnit, Apache JMeter and debugging tools such as ES Lint, Redux DevTools and Chrome Developer Tools and used Log4J API for logging and debugging.
* Followed Test Driven Development and written test cases using JUnit for every relevant class.

**Environment**: Java 17, Maven, Hibernate, React.js 18, HTML, Node.js, Kafka, Apache Tomcat, Json, Java Script, Spring, Spring ribbon, Oracle, MongoDB, JDBC, Eclipse, JUnit/Mockito, JMeter, Selenium, Jenkins, GitHub, Powerbi, Docker, Log4j, AWS EC2, crystal reports

***Client: State of Texas, Austin, Texas Jan 2021 – May 2023***

***Role: Java Full Stack Developer***

***Responsibilities:***

* Developed dynamic and interactive user interfaces using React.js 17 (Hooks, Redux, Router) with component-driven architecture for scalability and maintainability.
* Created reusable React components, integrated RESTful APIs, and applied state management using Redux and Context API.
* Implemented form handling, validation, and conditional rendering to enhance user experience in various application modules.
* Worked closely with backend teams to integrate React front-end with Spring Boot microservices via JSON-based APIs.
* Developed integration modules for disparate clients using Apache Camel and a microservices architecture to enable scalable, decoupled service communication.
* Implemented authentication and authorization features using Spring Security and role-based access control.
* Applied Spring IOC & AOP for dependency injection and cross-cutting concerns.
* Designed user-friendly navigation and responsive layouts using HTML5, CSS3, SCSS, and Bootstrap integrated into React applications.
* Developed backend business logic using Core Java, Spring Boot, Hibernate, and MyBatis for data persistence and ORM.
* Designed SQL queries, stored procedures, and optimized database operations for Oracle and DB2.
* Implemented messaging solutions using JMS, RabbitMQ, and Kafka for asynchronous communication.
* Configured CI/CD pipelines using Jenkins, Docker, and GitHub for automated builds and deployments.
* Developed event-driven features using AWS Lambda functions integrated with S3 and SNS for asynchronous workflows.
* Performed unit testing using JUnit, Mockito, and React Testing Library; conducted integration testing with Karma and Selenium.
* Followed Scrum and Iterative Agile methodologies, actively participating in sprint planning, backlog grooming, and daily stand-ups.
* Implemented lazy loading, code splitting, and optimized rendering techniques to improve application performance.
* Worked on cross-browser compatibility and accessibility compliance (WCAG) to ensure consistent UI across platforms.
* Created custom reusable hooks for API calls and complex form handling to reduce code duplication.
* Set up and configured environment-specific builds and deployment scripts for development, staging, and production.
* Collaborated with QA engineers to automate regression tests, reducing manual testing effort and improving release cycles.

**Environment:** React.js 17, Redux, Hooks, HTML5, CSS3, SCSS, Bootstrap, Java 8, Spring Boot, Spring MVC, Hibernate, MyBatis, Kafka, RabbitMQ, Apache Camel, Apache Tomcat, Oracle, DB2, SQL, AWS, JUnit, Mockito, React Testing Library, Karma, JMeter, Selenium, Jenkins, Docker, GitHub, Power BI, Crystal Reports.

***Client: Comerica Bank, Dallas, TX Sep 2019 – Dec 2020***

***Role: Java Full Stack Developer***

***Responsibilities:***

* Involved in complete SDLC - Requirement Analysis, Development, System and Integration Testing.
* Developed interactive UI components using React.js 16 and JavaScript to improve user experience and responsiveness.
* Implemented Redux to manage global state, especially handling user session and authentication workflows.
* Created dynamic and responsive layouts using HTML5, CSS3, Bootstrap, and embedded form validation with JavaScript.
* Used Jest and React Testing Library for unit testing React components and ensuring frontend reliability.
* Designed RESTful web services using Spring Boot and deployed APIs with embedded Tomcat for lightweight service execution.
* Used Spring Core annotations for Dependency Injection, and integrated REST APIs using Spring MVC.
* Developed and customized reusable UI components and widgets using React.js and JSON for data binding.
* Used AJAX and asynchronous calls to enhance user interactions without full page reloads.
* Created microservices using Spring Boot, secured endpoints, and registered services using Eureka and Spring Cloud Config Server.
* Worked on messaging modules using Spring JMS, Apache Camel, and RabbitMQ for asynchronous processing.
* Integrated backend services with frontend views, using REST APIs and reactive programming patterns.
* Implemented full-stack functionality for login, dashboard, and user modules, handling both UI and backend logic.
* Used Hibernate and JPA for database operations, including criteria queries, HQL, batch operations, and transactions.
* Created SQL procedures and complex queries in MySQL to support data operations from the application layer.
* Utilized Log4j for logging and used Chrome Dev Tools and Redux Dev Tools for debugging frontend and backend interactions.
* Applied role-based access control (RBAC) and integrated secure login with session handling using JWT tokens.
* Developed, tested, and deployed cloud-native microservices in Pivotal Cloud Foundry (PCF), integrated with CI/CD via Jenkins and Git.
* Managed UI and backend deployment pipelines using Docker and Jenkins, delivering consistent builds across environments.
* Monitored frontend and backend performance using browser profiling tools and log analysis on PCF console.
* Validating the Application by Deploying and testing on JBoss fuse.
* Experience in Micro services development using Spring Boot and deployment in Pivotal Cloud Foundry (PCF), analysed log files using Pivotal Cloud Foundry (PCF) console.

**Environment:** Java 8, Maven, Hibernate, React.js (version 16), HTML5, CSS3, Kafka, Apache Tomcat, JSON, JavaScript, Spring, PL/SQL, MySQL, IBM Cognos, Spring JDBC, Eclipse, JUnit, Karma, JMeter, Selenium, Jenkins, GIT, Docker, Log4j, GCP, JIRA, REST API, PCF, Power BI, Crystal Reports.

***Client: First Republic Bank, San Francisco, CA April 2016 – Aug 2019***

***Role: Java Developer***

***Responsibilities***

* Followed Agile methodology (Scrum) to meet customer expectation and timelines with quality deliverables.
* Participated in sprint planning meetings, user stories grooming, and daily scrum meetings.
* Translated customer requirements into formal requirements and design documents, established specific solutions, and led the efforts including programming and testing culminating in client acceptance of the results.
* Experience working with Java application servers like Apache Tomcat, JBoss EAP, IBM WebSphere, and tools such as Eclipse, Maven, and Jenkins.
* JBoss Application Server implementation, support, workload management, and performance tuning including web server setup and configuration with JBoss App Server.
* Deployed application instances on JBoss and WebLogic Server.
* Developed the Unix Search Utility Tool using SSH2 implementation JSch (Java Secure Channel) with Spring MVC.
* Developed a core routing framework for Verizon National Preorder using Apache Camel.
* Instrumental in designing & developing the Process Monitor tool which integrates other modules and adapters of a project.
* Experienced with event-driven and scheduled Azure Functions to trigger various Azure resources such as Blob Storage, Event Grid, and Azure SQL Database.
* Developed applications using Spring Boot Starter modules by integrating with required Azure services.
* Involved in the preparation of test cases for regression and integrated testing.
* Developed unit test cases using JUnit and Mockito with over 90% coverage
* Implemented MyBatis interface methods using ServiceImpl classes along with domain object classes for database column mapping.
* Familiar with relational databases and raw SQL; ORM frameworks with MyBatis.
* Performed root cause analysis of any incidents reported on the Process Monitor with a quick turnaround resolution approach.
* Established quality procedures for the team, continuously monitoring and auditing to ensure the team meets quality goals.

**Environment:** Java, JBoss, Spring Boot, MyBatis, Spring 3, RESTful Web Services (Jersey), Apache Tomcat, Maven, Eclipse, GIT SCM, Azure Functions, Azure Blob Storage, Azure Event Grid, Azure SQL Database, Azure App Service, Azure DevOps, SQL, Jenkins, Crucible

***Client: Port ware LLC, Hyderabad, India, Aug 2013 – Jan 2015***

***Role: Backend Developer***

***Responsibilities***:

* Developed the component using Java, J2EE/JEE, JSP, Struts, hibernate framework. Involved in complete SDLC
* Implementation of SOAP Web Services using CXF and developed persistent objects using Hibernate.
* Involved in the functional test of the application and tested Java applications using Functional Testing, JBoss
* Used spring IOC integrated with Struts MVC framework to inject session layer objects into the web layer.
* Developed the search use case using Apache Lucene and developed the Presentation layer by Struts.
* Extensively used Eclipse while writing code & used CVS for version control.
* Analyzed the performance of the application and fine tune the code where it is necessary.
* Debugging and resolving issue for web service binding and deployments with attachments.

**Environment**: Java, J2EE, JSP, JavaScript, AWS, SQL, AJAX, Apache Struts1.2, JMS, Hibernate 3.0, Eclipse, WSDL, SOAP Web services, Oracle 10g.