

# ASHOK OBULAPURAM

## JAVA FULL STACK DEVELOPER

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### PROFESSIONAL SUMMARY

Results-driven and detail-oriented Java Full Stack Developer with 4 years of comprehensive experience in Designing, developing and maintaining robust, high-performance web applications across diverse domains including banking, healthcare and software products. Skilled in building end-to-end solutions using a modern tech stack comprising Java, Spring Boot, React.js, Node.js, JavaScript and RESTful APIs. Hands-on expertise in frontend development using React.js for building dynamic, responsive UI components and backend service development using Spring Boot and Node.js, ensuring seamless integration and optimal performance. Well-versed in designing and consuming APIs, implementing microservices architecture and managing state with tools like Redux and context APIs. Demonstrated proficiency in cloud computing using AWS services such as EC2, S3, Lambda and configuring scalable environments to deploy secure, fault-tolerant applications. Experienced in implementing CI/CD pipelines with tools like Jenkins, Git and Maven, enabling faster and automated code deployments.

### TECHNICAL SKILLS

- **Programming Languages:** Java, Go, Python
- **Backend Technologies:** Spring Boot, Node.js, Express.js, RESTful APIs, Microservices
- **Frontend Technologies:** React.js, JavaScript, TypeScript, Redux, Bootstrap, Material UI, Thymeleaf
- **Databases:** MySQL, PostgreSQL, MongoDB, Oracle
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS), Docker, Jenkins, Git, Maven, GitHub Actions, Kafka, RabbitMQ
- **Testing Tools:** JUnit, Mockito, Postman, Swagger, Selenium (Basic)
- **Version Control & Build Tools:** Git, GitHub, Bitbucket, Maven, Gradle
- **Development Tools & IDEs:** Eclipse, IntelliJ IDEA, VS Code, STS
- **Methodologies:** Agile, Scrum, Jira, Confluence, CI/CD, TDD

### WORK HISTORY

#### Java Full Stack Developer | PNC Bank | Cincinnati, OH

Apr 2024 – Present

##### Responsibilities: -

- Developing scalable backend services using Spring Boot and Java to power PNC's digital banking platforms, including real-time payments and credit management systems, ensuring high availability and performance.
- Engineering RESTful APIs and integrated them with AWS Lambda functions to streamline customer onboarding and automate loan application workflows, reducing processing time by 30%.
- Creating dynamic responsive and accessible user interfaces using React.js, Redux and TypeScript, integrating them with RESTful backend APIs to deliver seamless user experiences across all modern browsers and mobile devices.
- Integrated Apache Kafka into Java Spring Boot microservices for real-time data streaming and asynchronous communication between decoupled services.
- Built integration test cases that validated Kafka event flows and performed debugging of message processing failures and schema mismatches, ensuring stability of asynchronous transaction workflows under load.
- Developing and deploying cloud-native microservices using Spring Boot and Java, hosted on AWS ECS and EKS, ensuring horizontal scalability and high fault tolerance in production systems.
- Participated in cross-functional design reviews to evaluate architectural decisions, validate design patterns, and ensure compliance with performance SLAs and data integrity rules.
- Implementing secure authentication and authorization flows using AWS Cognito and Spring Security, ensuring compliance with industry-standard security protocols and protecting sensitive financial data.
- Collaborating with cross-functional teams including Product Owners, QA & Dev in an Agile/Scrum environment, delivering incremental product features using Jira & automating deployments via AWS CodePipeline.
- Managing data persistence, indexing and performance tuning for both relational and NoSQL databases, including PostgreSQL, Oracle, MongoDB and DynamoDB hosted on AWS cloud platforms.

**Environment:** Java 17, Spring Boot 3.x, Node.js, React.js, Redux, TypeScript, REST APIs, Microservices, AWS (Lambda, ECS, S3, RDS, Cognito, CodePipeline), Docker, Kubernetes (EKS), MongoDB, PostgreSQL.

**Java Full Stack Developer | Aptean | India****Jul 2022 – Jul 2023****Responsibilities:** -

- Led the modernization of Aptean's ERP Suite by decomposing monolithic applications into microservices, utilizing Spring Boot, Node.js and React.js to enhance modularity and enterprise scalability.
- Developed feature-rich and intuitive web interfaces for inventory, billing and supply chain modules using React.js and Redux, reducing user-reported support tickets by 30% through better usability.
- Implemented RESTful APIs and integrated them with third-party logistics and warehouse systems, enabling seamless real-time data exchange and improving operational traceability.
- Built a robust role-based access control system using Spring Security and JWTs, integrated with Aptean's identity provider to support secure, multi-tenant SaaS deployments.
- Actively participated in Agile ceremonies including sprint planning, backlog grooming and code reviews, fostering collaboration within cross-functional teams to ensure quality and timely feature delivery.
- Designed and implemented end-to-end full-stack solutions using Spring Boot and Node.js for backend logic, paired with React.js and Redux for creating dynamic, interactive user interfaces.
- Developed secure, scalable and test-driven RESTful APIs to support both internal microservices and external system integrations, enhancing the overall architecture with better reliability.
- Deployed applications to AWS infrastructure using EC2, S3, and RDS services, and utilized CloudWatch for continuous performance monitoring and alerting in production environments.
- Built and maintained automated CI/CD pipelines using Jenkins and Git, incorporating static analysis, test automation, and automated rollback on test failures with debugging hooks for deployment logs and trace IDs.

**Environment:** Java 11+, Spring Boot, NodeJS, ReactJS, Redux, REST APIs, Microservices, PostgreSQL, MongoDB, Redis, AWS (EC2, S3, RDS, CloudWatch)**Java Full Stack Developer | Cigna | India****Jul 2020 – Jun 2022****Responsibilities:** -

- Developed a Member Eligibility & Claims Management portal for Cigna healthcare, enabling real-time verification of benefits, claims submission & processing status tracking using Spring Boot, Java and REST APIs.
- Integrated internal platforms with external EHR systems using FHIR/HL7 standards, ensuring HIPAA-compliant data exchange between payers and providers.
- Built and deployed microservices using Spring Cloud on Azure Kubernetes Service (AKS) for modular implementation of core functionalities like provider search, prior authorization, and claim adjudication.
- Streamlined UI performance by developing reusable components in ReactJS, integrating Redux for state management, and implementing code splitting and lazy loading for faster page loads.
- Wrote JUnit-based test cases for microservices processing claims and eligibility data, incorporating parameterized testing for diverse payer/provider input conditions.
- Participated in code reviews, Agile sprint planning, and technical documentation, sharing knowledge across global teams and aligning with stakeholder expectations on feature delivery and system health standards.
- Developed scalable RESTful APIs and backend microservices using Spring Boot, Spring Security, and Java 11, with OAuth2/JWT authentication for secure access control.
- Integrated RabbitMQ for reliable, low-latency messaging between Spring Boot microservices using the AMQP protocol.
- Deployed microservices on Azure Kubernetes Service (AKS) using Docker containers, and managed configuration using Azure App Configuration and Key Vault.
- Managed cloud resources using Azure Resource Manager (ARM) templates, and configured logging and monitoring via Azure Monitor and Application Insights.
- Collaborated in Agile/Scrum teams, participated in daily stand-ups, story grooming, sprint demos, and conducted peer code reviews using Bitbucket and JIRA.

**Environment:** Java 11, Spring Boot, React.js, Redux, REST APIs, OAuth2.0, JWT, Azure AKS, Azure DevOps, Azure App Configuration, Cosmos DB, MongoDB, JIRA.**EDUCATION**

- Masters of Science in Information Technology from University of Cincinnati, OH, USA
- Bachelors of Technology in Electronics & Communication Engineering from Vel Tech University, India