Mohan Babu Kotte

+1 773-502-4804 | mohanbabukotte@gmail.com | **LinkedIn**

Summary

Results-driven Full Stack Developer with 5+ years of experience building scalable backend services, microservices, and interactive UIs. Proficient in Java, Spring Boot, React.js, Node.js, and cloud platforms like AWS and Azure. Skilled in DevOps practices including Docker, Kubernetes, CI/CD, and automated testing. Proven success in enhancing system reliability, streamlining deployments, and enabling real-time data processing with Kafka. Collaborative team player with a strong Agile background, contributing to architecture decisions, process improvements, and delivering solutions that improve operational efficiency.

Skills

- **Programming Languages:** Java, Python, JavaScript, Node.js, Typescript
- **Backend:** Spring Boot, JPA, Hibernate, REST APIs, Microservices, SOA
- **Frontend:** React.js, Angular, Bootstrap, HTML, JavaScript, AJAX
- **Cloud Platforms:** AWS (Lambda, EC2, S3, EKS, CloudWatch, IAM), Azure
- **Databases:** MySQL, SQL Server, MongoDB, Oracle
- **Messaging & Streaming:** Kafka, RabbitMQ
- **DevOps & Tools:** Docker, Kubernetes, Helm, Jenkins, GitHub, Git, Maven, Gradle
- **Security:** OAuth2
- **Testing:** JUnit, Mockito, TestNG, Selenium, SoapUI
- **Analytics & Reporting:** Jasper Reports
- **Agile & SDLC:** Agile Scrum, TDD, CI/CD
- **Documentation & Collaboration:** JIRA, Confluence, GitHub

Work Experience

Ingredion Incorporated   *Westchester, USA*
Full Stack Developer   *July. 2024 - Present*

- Built intuitive, real-time dashboards using **React.js with Redux** for state management, helping stakeholders track order status and manage exceptions.
- Designed and developed **REST-based microservices using Spring Boot**, covering modules such as order processing, inventory check, pricing engine, and shipment tracking.
- Integrated with **MongoDB** and **PostgreSQL** to support transactional and analytics workloads, using **Spring Data repositories** and custom queries.
- Secured APIs using **JWT** and **Spring Security**, ensuring granular access control for operations, support, and management roles.
- Wrote and maintained **unit and integration test suites using JUnit and Mockito**, enabling faster feedback cycles during sprints.
- Integrated **Apache Kafka** to enable asynchronous communication across microservices, ensuring reliable event-driven workflows between order management, inventory, and shipping systems.
- Built a **Node.js-based WebSocket service** to stream live shipment tracking updates to dashboards, reducing refresh latency for operations teams.
- Leveraged **AWS Lambda** to automate periodic inventory checks, improving accuracy and reducing manual workloads.
- Deployed microservices to **AWS EC2 instances via automated Jenkins CI/CD pipelines**, managing configuration using **AWS SSM** and storing logs in **CloudWatch**.
- Leveraged **Python-based scripts** to preprocess large order and inventory datasets, enhancing predictive analytics APIs that forecast order delays and inventory replenishments.

Medline Industries   *Northfield, USA*
Full Stack Developer   *Jan. 2023 - June. 2024*

- Refactored large parts of a legacy inventory tracking system into scalable **Spring Boot microservices**, improving modularity and testability.
- Developed and maintained **RESTful APIs**, defined **OpenAPI specs**, and coordinated service integration with other backend teams.
- Designed a lightweight **Node.js-based middleware** to normalize and standardize courier APIs for delivery status updates.
- Integrated **Python-based anomaly detection scripts** to identify unusual stock consumption patterns, enhancing supply chain visibility.
- Built web interfaces with **Angular**, leveraging **Angular Material** and **RxJS** to implement real-time dashboards and filterable inventory tables.
- Integrated **Apache Kafka** to enable real-time inventory updates and supplier status changes across Medline's hospital and clinic network.
- Provisioned cloud resources on **Microsoft Azure**, authored **ARM templates** to manage Virtual Machines and App Services for QA environments.
- Containerized applications using **Docker** and deployed them to **Azure Kubernetes Service** for scalable and resilient environments
- Set up automated **CI/CD pipelines using Jenkins**, writing **Maven scripts** and **shell scripts** to run tests, create builds, and deploy containers.
- Used **SQL Server**, wrote complex joins and stored procedures to support reporting requirement
- Followed **Agile best practices**, participated in daily stand-ups, sprint reviews, retrospectives, grooming, and story pointing.
- Collaborated with **business analysts, QA testers, product owners, and infrastructure engineers** to ensure timely feature delivery.

L&T Finance   *Maharashtra, India*
Software Engineer   *Jan. 2021 - July. 2022*

- Developed microservices using **Java, Spring Boot, and JPA** for modules such as Loan Eligibility, Payment Schedule, and Customer Profile Management.
- Designed and implemented **RESTful APIs** used by both internal portals and mobile apps, ensuring secure and scalable integrations.
- Developed a **Node.js microservice** to send push notifications for loan approvals, disbursements, and EMI reminders, improving customer engagement.
- Wrote and optimized **SQL queries for MySQL**, used for generating statements, EMI schedules, and batch payment reconciliation.
- Wrote **Python scripts** for batch payment reconciliation, EMI schedule generation, and regulatory compliance reporting, reducing manual processing by 30%.
- Built frontend interfaces using **React.js** for the internal Ops team and **Bootstrap** for customer-facing UI components.
- Containerized backend services using **Docker**, enabling faster CI builds and easy deployment across UAT and staging environments.
- Deployed containerized applications to **AWS EKS (Kubernetes)** clusters and managed infrastructure with **Helm charts** and leveraged **AWS IAM** for service access control.
- Adopted **OAuth2** for secure, token-based access to services, aligned with internal identity management policies.
- Implemented unit and integration testing with **JUnit** and **Mockito**, maintaining 80% code coverage across services.
- Followed **Agile Scrum methodology**, participated in sprint grooming, daily stand-ups, and retrospectives

Wellness Forever Medicare Limited   *Maharashtra, India*
Junior Java Developer   *Mar. 2019 - Dec. 2020*

- Designed and developed backend services for modules like Inventory Management and Order Processing using **Java, Spring Boot, Hibernate, and MySQL**.
- Built and exposed **RESTful APIs**, ensuring smooth integration between frontend UI, third-party systems, and backend services.
- Used **JUnit and TestNG** for writing unit and integration tests to validate core business logic.
- Developed **React.js** based responsive UI components and integrated them with backend APIs using **AJAX** for real-time updates.
- Deployed and automated services on **AWS** using **Lambda, EC2, S3, and CloudWatch**, enhancing scalability, monitoring, and cloud-based automation.
- Orchestrated containerized deployments using **Docker** and **Kubernetes**, ensuring consistent environments and seamless scaling across development and production.
- Integrated **Jenkins CI/CD pipelines**, accelerating code integration, deployment frequency, and minimizing downtime during releases.
- Generated analytics dashboards for store managers using **Jasper Reports**, pulling real-time data from AWS-hosted services.
- Collaborated with senior engineers and participated in **design discussions**, gaining exposure to enterprise development practices and clean code standards.
- Adopted **Agile/Scrum methodologies**, facilitating seamless collaboration across cross-functional teams and delivering consistent sprint outputs.

Education

Governors State University   *Illinois, USA*
Ms. COMPUTER SCIENCE AND ENGINEERING   *May 2024*

Certifications

AWS Certified Developer - Associate
Kubernetes Application Developer Certification