

# Naushik Ravikrindi

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## Experience

### Metlife

Software Engineer

Aug 2024 - Present

Charlotte, NC

- Designed and implemented scalable microservices with **Spring Boot**, utilizing **REST APIs** and **Apache Kafka** for robust inter-service communication, enhancing system reliability by 40% and reducing API failure rates by 25%.
- Architected a complex, interactive **React** UI with component-based architecture, improving UI state management and user interactions, leading to a 30% faster load time and 20% increase in user engagement.
- Improved application response time by 30% using **Amazon DynamoDB** for high-performance NoSQL data access, reducing latency from 200ms to 140ms and improving critical operation responsiveness by 35%.
- Configured a **Jenkins**-driven software delivery pipeline for microservices, increasing test coverage from 60% to 85% and reducing deployment time by 20%, which streamlined development cycles by 30%.
- Orchestrated containerized services on **Kubernetes** with Docker, deploying on **AWS** infrastructure (S3, SQS, SNS, Lambda, API Gateway, EC2, ECS), reducing infrastructure costs by 15% and enhancing deployment speed by 40%.

### Harman Connected Services

Software Engineer

Aug 2021 - Dec 2022

India

- Designed and constructed RESTful APIs using **Spring Boot** and **React**, reducing API response time by 40% and increasing data handling efficiency by 35%.
- Engineered custom search with **Elasticsearch**, speeding up retrieval by 50% and improving accuracy by 30%.
- Optimized backend services using **Java**, **Redis**, and **PostgreSQL**, leading to a 25% improvement in processing speed and a 50% reduction in database query times.
- Incorporated **Swagger** for API documentation, reducing onboarding time for new developers by 40% and ensuring standardized API interfaces across 5+ teams.
- Spearheaded the containerization of legacy applications with **Docker**, orchestrated deployment on Kubernetes, boosting system scalability by thrice and cutting server downtime by 60%.

### Benciti Technology Pvt Ltd

Associate Software Engineer

Jan 2021 - July 2021

India

- Built and optimized **Kubernetes** operators using controller-runtime, improving automation and reducing reconciliation latency by 25%.
- Executed CNI **plugins**, IP addressing, routing, and service mesh to improve cluster communication efficiency.
- Migrated **MySQL** to **MongoDB**, improving scalability by 40% and reducing query response time by 60%.
- Set up **Jenkins** & GitLab CI pipelines, integrating **Prometheus** & Grafana, reducing downtime by 30%.
- Leveraged **Spring Cloud Gateway** & **GO** to optimize API response times and improve system throughput by 20%.

## Projects

### E-commerce Platform

- Created a full-stack E-commerce platform using the **MERN** stack (MongoDB, Express.js, React, Node.js), supporting over 500 college users for testing and enhancing the overall user journey.
- Configured **Docker** for containerization, streamlining the development process for over 50 university students working on the project and ensuring consistency across development environments.
- Integrated **RESTful APIs** for product management, enabling efficient CRUD operations and improving inventory management speed, successfully handling up to 500 concurrent users during testing.
- Refined front-end performance using React, improving user interface and contributing to increased user engagement among university students using the platform

## Education

### University of North Carolina at Charlotte

Masters of Science in Information Technology — GPA - 3.9

Charlotte, NC

## Skills

**Languages:** C, C++, Java, Python, JavaScript, TypeScript, Batch Script, Shell Script, Bash, HTML, CSS, Spring Boot, React, Angular, SQL

**Frameworks:** Kubernetes, Docker, Git, Jenkins, GitLab CI, Redis, Flask, AWS (S3, Lambda, EC2, ECS, API Gateway), Prometheus, Postman, MongoDB, MySQL, PostgreSQL, SQL Server, NoSQL, Grafana, Webhooks, Kafka, GraphQL, Elasticsearch, Swagger UI, JUnit, Selenium

**Development Practices:** Agile (Scrum, Kanban), CI/CD Pipelines, Test-Driven Development (TDD), Behavior-Driven Development (BDD), Version Control (Git, GitLab)

**API Development/Security:** REST, GraphQL, OAuth, JWT, API Security

**Cloud/DevOps:** AWS, Docker, Kubernetes, Jenkins, CI/CD Pipelines