Naushik Ravikrindi

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Summary

Results-driven Software Engineer with 5 years of experience specializing in Python, Java, and cloud-native backend development. Proven track record in building scalable microservices, optimizing system performance, and deploying containerized applications using AWS, Kubernetes, and Docker. Skilled in developing REST APIs, event-driven systems with Kafka, and CI/CD pipelines to drive faster, more reliable software delivery. Adept at collaborating in agile teams to deliver high-impact, production-ready solutions.

Experience

Metlife

Jan 2024 - Present

Software Engineer — *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%.
- Wrote **Python** scripts for data validation and deployment automation tasks, improving team efficiency during sprints

Harman Connected Services

Aug 2021 - Dec 2022

Software Engineer — *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 and improving accuracy by 30%.
- Optimized backend services using J**ava, 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%.
- Automated UI regression tests with **Selenium**, **Junit** and **JMeter** reducing manual intervention by 25% and accelerating release cycles.

Benciti Technology Pvt Ltd

May 2019 - July 2021

Associate Software Engineer — *India*

- Enhanced React component performance using memoization and code-splitting techniques, reducing page load time by 15%, increasing time-on-page by 20%, and improving user engagement by 25%.
- Leveraged Spring Data JPA for efficient data access and Spring Cloud Stream for event-driven communication, reducing latency by 35% and improving system throughput by 20%.
- Migrated MySQL to MongoDB, leveraging a document-oriented structure to improve application scalability by 40%, reduce query response time by 60%, and decrease integration testing time by 40% using Mockito.

- Established a CI/CD pipeline with Jenkins and GitLab CI, integrating Prometheus for monitoring and Grafana for real-time visualization, improving system reliability by 50% and reducing downtime by 30%.

Projects

Android Expense Tracker

- Built an Android application using Android Studio and React Native for personal expense tracking, enabling users to log transactions and categorize spending in real-time using Firebase.
- Integrated budget alerts and interactive data visualization using MPAndroidChart, providing users with financial insights to manage expenses efficiently.
- Optimized data storage with offline support, ensuring continuous access to transaction history

Trading Platform (MERN Project)

- Developed a peer-to-peer item trading platform, allowing users to list, search, and exchange items securely using React and Node,MongoDB and Express.
- Integrated a secure messaging system and user rating mechanism, enhancing trust and engagement on the platform.

Education

University of North Carolina at Charlotte *2024*
Masters of Science in Information Technology *Charlotte, NC*

Skills

Languages: C++, Java, Python, JavaScript, TypeScript, Batch Script, Shell Script, Bash, HTML, CSS, Spring Boot, React, Angular, SQL, Ruby on Rails
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, JMeter, Android Studio, React Native
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