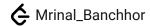
Mrinal Banchhor



in mrinal-banchhor



WORK EXPERIENCE

Nokia Solutions and Networks

Software Engineer

Sep 2021 - Present

- Engineered high-performance backend systems using Java and Spring Boot, leveraging 4 years of expertise in backend development to deliver scalable and efficient solutions.
- Enhanced Nokia's NMS product by optimizing Performance Management and Mediation components, improving network monitoring efficiency by 20% and reducing data mediation errors by 15%.
- Implemented performance optimization strategies that increased system efficiency by 10% and improved scalability to handle high-traffic environments effectively.
- Optimized backend processes, reducing response times by 15% and enhancing reliability under peak loads.
- Designed and maintained backend architectures, ensuring 99.99% uptime and a 30% improvement in fault tolerance for critical network management operations.
- Developed and integrated custom logic to support 5+ new network elements for Verizon customers, achieving 100% compatibility with existing infrastructure and increasing client satisfaction by 25%.

EDUCATION

NIT Raipur

M. Tech in IT (Specialization in Machine Learning) - 8.37 CPI

July 2019 - July 2021

PROJECTS

NetAct (NMS) | JAVA, Spring Boot, Robot Framework

Feb 2023 - Present

 Contributed to Nokia's legacy Network Management System (NMS), NetAct, with a primary focus on the Performance Management and Mediation components. Enhanced network operations by implementing system performance enhancements, resulting in improved efficiency and scalability for deployments.

NOM (NMS) | Docker, Kubernetes, microservices

Nov 2021 - Dec 2022

 Created and refined microservices for Nokia Network Operations Master (NOM), enabling scalable network operations. Containerized apps with Docker and managed microservice pods through Kubernetes for efficient deployment and resource management.

Portfolio Management Application | Spring Boot, Microservices, Docker, Kubernetes

• Built an Application using Spring Boot and microservices architecture for modularity and scalability. Containerized services with Docker and orchestrated deployments via Kubernetes.

Research Work

- Comparative study of Ensemble learning Algorithms on Early Stage Diabetes Risk Prediction: Published in IEEE, Conference: 2nd INCET 2021
- A Survey on Visual Question Answering: Publishing in IEEE, Conference: 2nd GCAT 2021

HARD SKILLS

- Backend: Spring Boot, Microservices, JAVA, Rest API, SQL
- · Testing: Junit, Robot Framework Automation, Selenium Library
- Database: MySQL, Oracle DB
- Tools: git, Jenkins CI/CD, Docker, Kubernetes
- Familiar with: C++ (STL), Python (Numpy, Pandas, Scikit, Keras, TensorFlow)

SOFT SKILLS

LeadershipMentoring

Good Analytical Ability