Shameer Ahmad

Senior FullStack Engineer

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📍 Germany

shameerahmed

Five plus years of experience as a full stack developer creating enterprise-level apps with Java, Spring Boot, Angular, React, and cloud technologies (AWS, Kubernetes, Openshift). Proven ability to manage development teams, achieve 95% system performance optimisation, and deliver zero-failure deployments in the domains of cybersecurity, analytics, finance, and transportation. Proficiency with ML algorithms, UI/UX implementation, scalable system design, REST APIs, microservices architecture, and efficient problem solving with stakeholder involvement.

🎓 EDUCATION

Technische Universität Ilmenau
MASTER IN RESEARCH IN COMPUTER AND SYSTEMS ENGINEERING
05/2025 – Present | Germany

National University of Computer and Emerging Sciences
BACHELOR IN COMPUTER SCIENCE
08/2016 – 08/2020

💼 WORK EXPERIENCE

SYSTEMS LIMITED ↗
SENIOR FULL STACK DEVELOPER

06/2021 – 04/2025

- Designed comprehensive unit test coverage for critical application components using **JUnit/Mockito** and conducted detailed peer code reviews.
- Delivered a production-grade **MES platform** for a government transport authority by designing Spring Boot microservices and React frontends, processing **millions of records** across operational workflows.
- Integrated **Kafka, REST, SOAP, GraphQL, and IBM API Gateway** to synchronize data across **6+ external systems**, eliminating manual data exchange and improving system reliability.
- Optimized **Oracle SQL and PL/SQL queries** handling **millions of records**, reducing high-latency queries by ~50% and improving report generation times.
- Implemented **Redis caching** for frequently accessed datasets, significantly reducing database load under peak traffic.
- Built centralized observability using **ELK, Prometheus, and SonarQube**, enabling faster root-cause analysis for production issues in high-volume systems.
- Reviewed and guided implementation across a 6-member team, maintaining stable **CI/CD releases** for mission-critical deployments.

VINNCORP ↗
SOFTWARE ENGINEER II

06/2020 – 06/2021

- Deployed and maintained **8+ applications on AWS EC2** using CI/CD pipelines, sustaining ~99.8% availability under continuous production usage.
- Developed a **real-time WebSocket chat system** for call-center and social media operations, reducing message latency and improving agent response times by ~60%.
- Refactored inefficient JPQL into optimized SQL queries, reducing worst-case query execution from seconds to sub-second performance.
- Implemented role-based authentication using **Spring Security**, supporting secure enterprise access control.

🌐 LANGUAGE SKILLS

ENGLISH
C1

GERMAN
A1

🧠 SKILLS

Backend & Architecture
Java, Spring Boot, Spring Security, Java EE, JVM, Microservices, REST APIs, GraphQL, WebSockets, IBM API Connect, IBM WebSphere, IBM BPM

Data & Platforms
Oracle, PostgreSQL, SQL, Redis, MongoDB, Elasticsearch (ELK Stack), Hazelcast

Cloud, Frontend & DevOps
AWS (EC2, S3, Route 53), Docker, OpenShift, CI/CD, Azure DevOps, Git, GitHub, Maven, YAML, SonarQube, Prometheus, Grafana, Linux, React, Angular, JavaScript, TypeScript, HTML5, CSS, SCSS, Webpack, JUnit, Mockito, Selenium, SOAP UI, Postman, Agile (Scrum)

Business Domains
Customer Operations & Call Centers, Digital & Social Media Analytics, Transportation & Public Sector Systems, Real Estate & Property Platforms, Enterprise Platforms, Compliance & Governance, Market Intelligence & Innovation

📁 PROJECTS

Monitoring and Enforcement System 2.0 (MES 2.0)
Tools & Technologies: Spring boot | Angular | React | Oracle DB | EFK | OpenShift | API Connect | Swagger | Docker

Monitoring and Enforcement System (MES)
Tools & Technologies: Java EE | Angular | IBM BPM | IBM Websphere

Brand Equity (Social Media Monitoring integrated with Call center software)
Tools & Technologies: Angular | Springboot | Websockets | Amazon (EC2, S3) | PosgreSQL | MSSQL

Digital Cognate - Document Versioning Management System
Tools & Technologies: Springboot | React | Git | Amazon (EC2 & Route 53) | PosgreSQL

📜 CERTIFICATIONS

• Google Cloud Platform Big Data and Machine Learning Fundamentals ⌞⌝

• Introduction to Data Engineering ⌞⌝

• Introduction to Deep Learning in Python ⌞⌝