

Abhishek Kumar

Full Stack Engineer

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SUMMARY

Full-Stack Software Engineer with 4+ years of experience in developing and maintaining scalable web applications using Java, Spring Boot, Angular, and TypeScript. Skilled in building RESTful APIs, following MVC architecture, and delivering end-to-end solutions from backend services to responsive front-end interfaces. Currently contributing to enterprise-grade applications as a Software Engineer.

EDUCATION

Bachelor of Technology in Computer Science

Aug '16 - Jul '20

NIT, Arunachal Pradesh

Arunachal Pradesh, IN

CGPA : 7.38

PROFESSIONAL EXPERIENCE

Software Development Engineer

Feb '23 - Present

42Gears Mobility Systems

Bengaluru, IN

- Streamlined development of the **Self-Service Portal**, a full-stack web application built with **Spring Boot (Java)**, **Angular 19 (TypeScript)**, **SQL**, and **MongoDB**, secured with **JWT-based authentication** via Spring Security. Improved responsiveness, reliability, and data efficiency through **multi-threading**, **scheduled database maintenance jobs**, **Kafka** for asynchronous messaging, and **Redis** for caching. Led deployment on **AWS** using **Kubernetes**, integrating **API Gateway** for unified access and **S3 buckets** for large file storage. Applied **LLD/HLD**, **MVC architecture**, and **SOLID principles** to ensure system scalability, high performance, and long-term maintainability.
- Achieved 90%+ code coverage with JUnit and Mockito, reducing production bugs by 60%. Also performed End-to-End testing for full workflow validation.
- Championed end-to-end sprint cycle activities, overseeing JIRA ticket management, build creation, DEV publishing for sanity testing, stage deployments, & regression issue tracking; coordinated seamlessly with QA, DevOps, & Product Managers, managed release communication & stakeholder updates via email, ensuring **flawless delivery** & 100% on-time completion of project milestones in an Agile environment
- Implemented multiple tools to facilitate efficient data migration from SQL to MongoDB, restructuring the schema to segregate collections & eliminate **cross-collection dependencies**, resulting in a 2x increase in performance & seamless backward compatibility
- Revamped 8+ key MDM features—including Profiles, Remote Support, Mobile App Management, & User Management—by crafting an optimized MongoDB schema, enforcing clean architecture principles, & overseeing scheduled background tasks, resulting in **significantly enhanced system scalability, performance, & maintainability**

Software Engineer

Nov '20 - Feb '23

Virtusa

Hyderabad, IN

- Engineered 12+ enterprise-grade modules for British Telecommunications (BT) utilizing Java, Spring Boot, Maven, & **Angular 15** to deliver scalable & maintainable full-stack solutions
- Participated in **ROTA support calls** one week per month to directly address customer issues from the **UK and Sri Lanka**, ensuring timely resolution and maintaining high customer satisfaction.
- Utilized **PuTTY**, **Oracle Database**, and **HDFS file system** for troubleshooting, log analysis, and data validation in production environments.
- Developed and enhanced **JUnit test cases** to achieve **90%+ code coverage** for individual modules, ensuring code quality and reducing production defects.
- Transformed application health by strategically deploying Jenkins for continuous integration, resulting in a significant **30% reduction in cyclomatic complexity**, mitigating critical security vulnerabilities like **SQL injection**, **Cross-site scripting**, & **Insecure deserialization**, while fortifying overall system security

SKILLS

Languages: Java, C

Frameworks & Libraries: Spring Boot, Spring (MVC, JDBC, ORM, Data JPA, Security, Cloud), Hibernate, JUnit, TestNG, Mockito, Angular (v15–v19)

Frontend: HTML, JavaScript, TypeScript, Angular (v15–v19)

Databases: MySQL, PostgreSQL, SQL Server, Oracle SQL, MongoDB, Redis

Core Concepts: RESTful APIs, MVC Architecture, OOP, Multithreading, Concurrency, Design Patterns, Data Structures & Algorithms

DevOps & Cloud: AWS, GCP, Docker, Kubernetes, CI/CD (Jenkins), API Gateway, Shell Scripting

Tools & IDEs: IntelliJ IDEA, Eclipse, STS, VS Code, Maven, Log4j, Git, Jira

Testing & QA: Unit & Integration Testing (JUnit, TestNG, Mockito), TDD, SonarQube, Code Reviews

Messaging & Architecture: Kafka, Messaging Systems

CERTIFICATIONS

- IIT Patna | Domain Adaptation in Python, Computer Vision