

AMIT PAL

Senior Software Engineer | Java | Spring Boot | Microservices | AWS
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PROFESSIONAL SUMMARY

Senior Software Engineer with 6+ years of experience designing and delivering scalable microservices and real-time systems using Java, Spring Boot, AWS, MongoDB, and MySQL. Proven track record of improving system performance by up to 30% through code optimization, third-party integrations, and architectural improvements. Adept at leading development efforts from inception to production, with hands-on experience across fintech, insurance, HR-tech, and education domains.

TECHNICAL SKILLS

Languages: Java, Advanced Java

Frameworks & Libraries: Spring Boot, Spring MVC, Spring Cloud, Spring Security, Spring Data JPA, Hibernate, Microservices

Databases: MySQL, MongoDB, DynamoDB

Cloud & DevOps: AWS (EC2, S3, Lambda, CloudWatch), Docker, Jenkins, Maven, Gradle, Git

Architecture & Design: HLD, LLD, Design Patterns, REST APIs, OAuth2.0, Data Structures & Algorithms

WORK EXPERIENCE

Senior Software Engineer | [MTAP Technologies \(Safetrax.in\)](https://www.safetrax.in) Oct 2023 – Present

Employee Transport Management System | Java, Spring Boot, MongoDB, Microservices, Gradle, GitHub

- Developed and maintained core modules including live tracking, routing, rostering, billing, and reporting for Safetrax, a leading employee transport automation platform serving enterprise clients.
- Built and optimized geofencing, dashboard, SafeReach IVR, and speed violation management services, improving feature delivery time by 20%.
- Integrated third-party systems including IVR call APIs, SMS APIs, OAuth2.0, and Firebase Cloud Messaging (FCM), achieving a 25% improvement in system performance and notification reliability.
- Collaborated with cross-functional teams to ensure scalable, fault-tolerant microservices architecture with high availability.

Senior Software Engineer | [Qualtech Edge Pvt Ltd \(MaxLife Insurance\)](https://www.qualtechedge.com) Jan 2023 – Sep 2023

Point of Sale Verification (POSV) System | Java, Spring Boot, Microservices, AWS Lambda, S3, EC2, DynamoDB, CloudWatch, Jenkins, SonarQube

- Designed and implemented a dedicated channel for broker Muthoot, streamlining the user verification journey by enabling configurable bypass of non-mandatory verification steps.
- Resolved critical bugs, security vulnerabilities, and code smells identified via SonarQube, achieving a 30% improvement in overall software quality and performance metrics.
- Deployed and monitored microservices on AWS (Lambda, EC2, S3, DynamoDB) with CloudWatch for real-time alerting and observability.
- Worked within agile delivery cycles, coordinating with QA and DevOps teams for CI/CD pipeline maintenance using Jenkins.

Software Engineer | [LIBSYS Ltd \(TargetX CRM\)](https://www.libsys.com) Feb 2020 – Jan 2023

Common Admission Platform | Java, Spring Boot, Microservices, JPA, MySQL, MongoDB, Jasper Reports, Docker, Git

- Played a pivotal role building TargetX, a CRM platform for higher education admissions, from initial development through production deployment, supporting multiple colleges and thousands of student applicants.
- Developed core CRM features including an interactive dashboard, advanced search filters, dynamic form builder, email templates, and user query management.
- Built institute session management and user notification modules, reducing manual administrative effort and improving operational efficiency by 15%.

- Integrated Jasper Reports for dynamic report generation and used Docker for containerized deployment in staging and production environments.

Java Developer Trainee | [SoftSages Technology LLC \(Rajnap Technosoft\)](#) *Jul 2018 – Nov 2018*

- Maintained and enhanced existing Java-based software products, resolving defects and implementing minor feature improvements to ensure optimal system performance.
- Gained foundational experience in Java development, version control, and agile software practices.

EDUCATION

Master of Computer Applications (MCA)

2016 – 2018

G L Bajaj Institute of Technology & Management, Greater Noida

Bachelor of Computer Applications (BCA)

2013 – 2016

Makhanlal Chaturvedi Rashtriya Patrakarita Vishwavidyalaya, Bhopal