

# Prateek Maheshwari

Backend Engineer · Java · Spring Boot · AWS

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Backend Engineer with 4+ years of experience building scalable, high-performance systems for cloud, compliance-critical, and data-intensive applications. Proven track record in API development, performance optimization, distributed workflows, and production support, with measurable business impact.

## EXPERIENCE

### Bounteous | Senior Software Engineer

Mar 2025 – Present Java · Spring Boot · AWS · REST APIs · Microservices · SQL

- Designed and implemented AWS-based document processing workflows using Lambda, Step Functions, S3, DynamoDB, and Spring Boot, improving end-to-end processing speed by **3–4x** while reducing manual effort by **~80%**.
- Built a dynamic field-mapping and rendering engine for extracting PDF layouts and overlaying structured data with **>99% accuracy**, accelerating onboarding of new workflows by **~40%**.
- Developed and stabilized backend services within a microservices ecosystem by integrating **20+ APIs**, improving release quality and reducing production issues by **~25%**.
- Implemented audit tracking, event-driven notifications, and reusable workflow abstractions to improve reliability and observability across enterprise processes.

### RxLogix | Software Engineer

Feb 2022 – Nov 2024 Java · Spring Boot · SQL · Redis · Elasticsearch · Docker

- Improved backend performance by **~25%** through SQL optimization, indexing strategies, Redis caching, and query refactoring.
- Re-engineered legacy narrative generation into a template-driven architecture, reducing update turnaround by **~50%** while improving maintainability and consistency.
- Diagnosed production performance issues involving JVM memory, SQL bottlenecks, and high-volume workflows, improving system stability and troubleshooting efficiency.
- Improved search performance and filtering efficiency through Elasticsearch indexing and query tuning.

## SKILLS

Languages	Java (8+), SQL, Python
Backend	Spring Boot, REST APIs, JPA/Hibernate, Microservices, Event-Driven Systems
Databases & Search	PostgreSQL, MySQL, Oracle, Redis, Elasticsearch
Cloud & DevOps	AWS (Lambda, S3, DynamoDB, Step Functions), Docker, CI/CD, Git, Linux
Messaging	Apache Kafka, Asynchronous Processing
Engineering	Performance Optimization, Production Debugging, API Design, System Design Fundamentals

## PROJECTS

### Unicode Support Enhancement for Multilingual Exports

Java · Spring Boot · iTextPDF

- Implemented multi-font Unicode support for internationalized PDF generation across multilingual datasets.
- Improved export compatibility and performance by **~30%**, enabling seamless multilingual document delivery at scale.

## EDUCATION

B. Tech, Electronics and Communication Engineering · JSS Academy of Technical Education, Noida

2018-2022

## ACHIEVEMENTS

- Spot Award** at RxLogix (Top 5 out of 500 employees)
- 1st Prize Winner** at InOut 7.0 Hackathon
- Top 15** at HackCBS Hackathon