

Ashutosh Kumar Gupta

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Professional Summary

Experienced Senior Software Engineer with over 8 years in designing and developing scalable backend systems. Skilled in Java, Spring Boot, Kafka, and distributed systems with a strong focus on performance optimization, security, and CI/CD practices. Proven ability to lead projects end-to-end, drive cross-functional improvements, optimizing processes, and enhancing team productivity.

Work Experience

Walmart — Senior Software Engineer

Bangalore | Oct 2021 – Present

- Spearheaded and managed cross-functional teams of 5–6 developers across key systems including **Incentive**, **Driver Suggestion**, and **Supply-Demand**, driving feature delivery and operational excellence.
- Led **cost optimization initiatives** at the infrastructure level within the LMD pillar, coordinating efforts across a team of 6 developers to reduce cloud spend and improve system efficiency.
- Directed the development of the **Popular Busy Hours** feature using **ML**, **Kafka**, and **Elasticsearch**, enhancing driver engagement through intelligent time-slot recommendations. Collaborated with 3–4 developers and multiple cross-functional teams.
- Achieved an **83% reduction in driver drop rates** by designing and implementing a smart **Block Offer System**, improving driver retention and platform reliability.
- Led the upgrade of core services from **Spring Boot 2.2.x to 2.7.x** and **Java 8 to Java 17**, enhancing security, performance, and maintainability. Personally upgraded **4 services** and mentored **3 developers** to scale the upgrade across **10–12 additional** services.
- Resolved critical **batching deadlocks** and eliminated **manual reconciliation errors**, significantly improving system stability and operational accuracy.
- Executed a **zero-downtime migration** from **MsSQL to Azure DB**, ensuring seamless data continuity and improved scalability.
- Proactively addressed major security vulnerabilities including **Log4J (CVE-2021-45105)**, safeguarding systems against potential exploits.
- Tech Stack: Java, Spring Boot, Kafka, MySQL, Azure DB, Elasticsearch, Microservices, GitHub Copilot, Qodo, AI tools

Housing.com — Senior Software Development Engineer

Gurugram | Nov 2019 – Oct 2021

- Led development of Owner Monetization and Referral systems
- Reduced error rates and improved background job efficiency
- Secured systems via internal hackathon findings
- Integrated Razorpay in payment services
- Built rate limiter wrapper for widespread use across services
- Tech Stack: Java, Ruby on Rails, MongoDB, PostgreSQL, RabbitMQ, Microservices

Lenskart.com — Software Development Engineer

Gurugram | Aug 2019 – Nov 2019

- Introduced retry mechanisms improving system performance by 70%
- Eliminated daily manual efforts via automation
- Tech Stack: Java, Spring Boot, MongoDB, MySQL, Kafka

Sprinklr — Software Engineer

Gurugram | May 2017 – Aug 2019

- Developed Asset Manager for inter-platform operations
- Optimized DB connections and improved API response time (5 min → <30 sec)
- Introduced Lombok to streamline development
- Tech Stack: Java, Spring, Spring Boot, MySQL, MongoDB, ElasticSearch, Jenkins

Internship

Muto Technologies — Software Development Intern Summer 2016

- Built a CI server and push notification service
- GitHub Repository: <https://github.com/mutohq>
- Tech Stack: Go, Python, PostgreSQL

Education

B.Tech, Computer Science & Engineering

National Institute of Technology (NIT), Hamirpur | 2013 – 2017 | CGPA: 8.21/10

XII – Anugrah Narayan College, Patna | 2012 | 75.8%

X – High School, Itarhi, Buxar | 2010 | 88%