

# ABHISHEK KUMAR

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## PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building and operating Spring Boot microservices for e-commerce, including checkout, payments, and promotions. Owns production APIs end-to-end, from design and implementation to deployment, monitoring, and performance tuning. Strong focus on reliability (zero-downtime rollouts, blue-green deployments) and query optimization in MySQL.

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## KEY SKILLS

- Java 8
- Data Structures and Algorithms
- SQL
- React JS/Chart.js/Vue
- Microservices(Docker/Kubernetes)
- Rest API , Spring Boot and JPA
- JUnits & Mockito
- GCP/AWS
- LLD
- Gen AI, LLMs/NLP

Development Supporting tools: JIRA, GIT, Eclipse, Postman, IntelliJ, SQL Server, Kibana, Splunk, Linux.

Certifications: [Intellipath Java](#) | [Walmart Advanced Software Engineering](#) | [Java Developer Intern](#)

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## WORK HISTORY

### ASSISTARMY

Software Development Engineer | Bangalore, Karnataka | Nov 2024 – Current

Team Size: 06

Responsible for backend development of APIs powering a real-time digital human assistant platform, with focus on low-latency conversations, reliable integrations with AI services, and scalable microservices.

- Designed and implemented REST and WebSocket APIs to orchestrate speech-to-text, LLM, text-to-speech, and avatar rendering services for real-time digital human interactions.
- Developed session and context management so each user session maintains conversation history, persona, and state across multiple turns and reconnects.
- Integrated third-party AI providers (LLM, STT, TTS, avatar engine) behind a unified backend interface, simplifying client integration for web and Unreal-based front ends.
- Implemented resilience features including timeouts, retries, and graceful fallbacks for downstream AI services to improve reliability of live user sessions.
- Added structured logging and application metrics (latency, error rates, active sessions) to monitor API performance and support data-driven optimisation.

### SPEEDBAE DIGITAL PRIVATE LIMITED

Associate Software Engineer | Bangalore, Karnataka | Nov 2023 – Oct 2024

Team Size: 05

Responsible for development, enhancement, and implementation of e-commerce products and backend technology using Java and Spring Boot. Worked on real-time order tracking, promotion analytics, and payment integration within microservices. Built APIs, optimized database performance, and supported seamless deployments through CI/CD automation.

- Own core Promotion, Checkout, and Payment services, designing and maintaining 10+ REST APIs used in live order and payment flows.
  - Optimized MySQL queries and indexes, cutting key API latency by roughly 30–40% and improving checkout stability during peak traffic.
  - Built promotion analytics endpoints and React + Chart.js dashboards that give real-time insights to business teams for campaigns and discounts.
  - Led payment service API migration using dual-version handlers and phased rollout (10% → 50% → 100%) to achieve zero-downtime deployments.
  - Implemented discount rule engine (flat/percentage, usage limits, validations) used across multiple seller and promotion flows.
  - Maintained high test coverage using JUnit and Mockito, adding 200+ unit/integration tests for promotion, checkout, and payment flows.
  - Automated CI/CD with Maven and GitHub Actions, reducing release time from manual, error-prone deployments to a few minutes per release.
  - Added structured logging with SLF4J and improved monitoring in Kibana, helping faster debugging of production issuesCollaborated in QA testing, staging deployment, and blue-green rollout of new services.
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## EDUCATION

BACHELOR OF TECHNOLOGY Computer Science and Engineering (7.93 CGPA), CEC, Jharkhand.

SENIOR SECONDARY EDUCATION (71%), Kerala Samajam Model High School, Jamshedpur, Jharkhand.

SECONDARY EDUCATION (68%), St. Mary's High School, Jamshedpur, Jharkhand.