

Rahul Maurya

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SUMMARY

Software Engineer with 2+ years designing and shipping distributed, event-driven backend systems in Java, Spring Boot and Microservices for large-scale warehouse automation (WCS / WMS / ASRS). Proven record of reducing API latency, scaling event processing to 10K+ events/min, and delivering measurable business impact (1.2M AUD client revenue, 99.8% uptime).

TECHNICAL SKILLS

- **Languages:** Java (Core/J2SE), SQL, Python
- **Frameworks:** Spring Boot, Spring JPA, REST APIs, Microservices, Multithreading, Event-Driven Design
- **Messaging / Cache:** RabbitMQ, Apache Kafka, Redis
- **Databases:** MySQL, MSSQL, MongoDB
- **DevOps:** Docker, Kubernetes, Helm, Jenkins, Git, CI/CD
- **Observability:** Grafana, Jaeger, Distributed Logging
- **Concepts:** System Design, Distributed Systems, Data Pipelining, LLM Agents, Scalability, Performance Tuning

EXPERIENCE

Addverb Australia — Software Engineer

Melbourne, Australia

Jan 2026 - Present

- Lifted GTP picking throughput **800 → 1,200 totes/hr (+50%)** by diagnosing software and process bottlenecks in live operations.
- Architected distributed observability on message brokers + NoSQL to surface cross-service irregular events.
- Closed the **1,800 totes/hr SLA** gap, unlocking **1.2M AUD** in client revenue.
- Segregated business flows and maximised automation utilisation; **+30%** client operational efficiency.

Addverb Technologies — Software Development Engineer

Noida, India

Apr 2024 – Dec 2025

- Architected scalable microservices in Java, Spring Boot, RabbitMQ, Docker, Kubernetes for a distributed WCS; **99.8% uptime** via Jenkins/Git CI/CD.
- Decomposed a monolith into **12+ microservices**; API latency **800ms** → **600ms** (+25% perf).
- Real-time MongoDB pipeline processing **10,000+ events/min** with zero data loss.
- Built an **LLM-powered inventory agent** auto-resolving 95%+ queries; -40% support tickets.
- Grafana dashboard migration automated in Python: **8 hrs** → **20 min (-95%)**, 50+ dashboards, 3 environments.
- Shipped observability dashboards and hardware health checks; **-60%** incident response time.

NEC Corporation India — Software Engineering Intern

Noida, India

Oct 2023 – Jan 2024

- Built microservice components in Java + Spring Boot; contributed to production-grade features and internal tooling.

PROJECTS

Maersk · Adidas — Warehouse Automation Platform

- 12+ Spring Boot microservices (WES, auction, decanting, packing, returns, robotic-arm, boxit, quadron, multipro) on Kubernetes/Helm.
- Event-driven observability on RabbitMQ + MongoDB; 99.8% uptime; 10K+ events/min.

UPS Healthcare — Movu Robotic Shuttle Integration

- Unified 50+ Movu shuttles + lifts with ASRS; MongoDB telemetry pipeline at **99.9%** capture; **-70%** downtime diagnosis.

Lenskart — Tote Movement Optimization

- Java graph/pathfinding service (Dijkstra + K-shortest): **-15%** travel time, **-200ms** latency, **+12%** throughput.

MRF Ankenpally — 5-Deep 9-Level ASRS

- Production ASRS with third-party hardware integration; **500+** daily transactions; UAT **6+ wks** → **3 wks**; ~₹15L saved.

Reliance Retail — VF-Manual WMS

- Led end-to-end WMS delivery; resolved **70+** UAT-critical defects; 14 leadership demos; formal PM appreciation.

EDUCATION

B.Tech, Computer Science & Engineering

Raj Kumar Goel Institute of Technology, Ghaziabad (AKTU)

2020 - 2024 • CGPA 8.67

ACHIEVEMENTS

- Formal **Note of Appreciation** from PM for Reliance VF-Manual delivery.
- Unlocked **1.2M AUD** client revenue via SLA remediation at Addverb Australia.
- Accelerated cross-functional milestones **90%+** through QA/process collaboration.