

Dharmendra Awasthi

Bengaluru, Karnataka, India | +91-9454318045 | er.dharamk@gmail.com | LinkedIn | GitHub

PROFESSIONAL SUMMARY

Senior Software Engineer with **9+ years** of experience building large-scale distributed systems and cloud-native microservices in telecom, retail, fintech, and gaming. Specializing in **Java, Spring Boot, Kafka, and AWS**. Designed high-throughput platforms handling **1,500+ TPS** and **10M+ users**, led end-to-end system design (HLD/LLD), and managed engineering teams of up to 4.

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, SQL, Bash, Spring Boot, Spring Cloud, Hibernate, JUnit, Mockito

Architecture & Design: Microservices, Event-Driven Architecture, CQRS, Saga Pattern, Circuit Breaker, Domain-Driven Design

Cloud & Infrastructure: AWS (EC2, S3, SQS, Lambda, ECS, CloudWatch), Kafka, PostgreSQL, MongoDB, Redis, Elasticsearch

DevOps & Tools: Docker, Kubernetes, Jenkins, Git, GitHub, Gradle, Maven, Terraform, REST APIs, gRPC, OAuth2, JWT

Observability: Zipkin, Prometheus, Grafana, ELK Stack, Splunk, Distributed Tracing

Practices: System Design (HLD/LLD), Performance Tuning, Capacity Planning, CI/CD, Agile/Scrum, TDD

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Jul 2024 – Present

Luxoft (Client: Tesco), Bengaluru, Karnataka, India

- Designed and built an **Orchestrator System** using **Spring Boot microservices**, sustaining **1,500+ TPS** at 99.9% uptime.
- Engineered Leader-Worker processing via **Kafka pipelines**, enabling **1M+ messages/day** ingestion with zero data loss.
- Owned end-to-end **HLD/LLD** for **8+ features**, incorporating failure-mode analysis and CI/CD quality gates.
- Integrated **Generative AI (LLMs)** into content verification, reducing manual review effort by **30%**.
- Mentored **3 engineers** on system design and Kafka patterns, accelerating project ramp-up by **40%**.
- Drove technical strategy and quarterly release planning with **3+ business units**, aligning engineering with product goals.

Senior Member of Technical Staff

May 2023 – May 2024

Ness Digital Engineering, Bengaluru, Karnataka, India

- Built a greenfield platform from scratch using **Java, Spring Boot, and Spring Cloud**, shipping to production in **4 months**.
- Led a team of **4 engineers** through design reviews, code reviews, and sprint planning, improving velocity by **25%**.
- Reduced API latency by **50%** by implementing **Redis caching** and concurrent processing with `CompletableFuture`.
- Designed a runtime **feature-toggle system** using Spring Cloud Config, cutting deployment lead time by **60%**.
- Defined technical roadmaps and delivery milestones for **4 enterprise clients** in coordination with product and QA teams.

Senior Software Engineer II

Feb 2022 – May 2023

Airtel Africa, Gurugram, Haryana, India

- Built high-throughput **microservices** using **Java and Spring Boot** for telecom billing, serving **10M+ users** across Africa.
- Delivered a reusable **Customer Query Management** platform, reducing query resolution time by **40%**.
- Refactored core modules using **design patterns** (Strategy, Factory), reducing code duplication by **35%**.
- Achieved **95% test coverage** via TDD with **JUnit and SonarQube**; standardized **OpenAPI/Swagger** across 12+ services.

Senior Software Engineer

Jul 2021 – Feb 2022

Aristocrat Technologies (B2B Gaming), Gurugram, Haryana, India

- Optimized backend **Java microservices** for Class 2/3 gaming platforms, improving transaction throughput by **20%**.
- Implemented **event-sourcing** for user activity tracking, improving data accuracy to **99.5%** with audit compliance.
- Reduced peak-load API latency by **35%** by implementing asynchronous processing with reactive streams.

Member of Technical Staff

Jan 2021 – Jul 2021

Oracle, Bengaluru, Karnataka, India

- Developed **TMF-compliant REST APIs** in Java/Spring Boot for order management, reducing manual processing by **40%**.
- Reduced API latency from 800ms to **under 200ms** by implementing **Redis caching** and optimized pagination.

Development Consultant

Sep 2018 – Nov 2020

CSG International, Bengaluru, Karnataka, India

- Developed **3 scalable Java backend services** and **REST APIs** for billing/CRM integration, supporting **5M+ subscribers**.
- Built a reusable UI component library adopted by 3 teams, accelerating frontend delivery by **25%**.

System Analyst

Feb 2017 – Sep 2018

Amdocs, Pune, Maharashtra, India

- Improved legacy **Java** application performance by **30%** through codebase refactoring and query optimization.
- Maintained **100% SLA compliance** across production environments via proactive monitoring and root-cause analysis.

PROJECTS

smc4j – Java 17+ open-source trading library implementing Smart Money Concepts. GitHub

tradesmc-api – Spring Boot REST API for backtesting SMC-based trading strategies. GitHub

EDUCATION

Doctor of Philosophy (PhD), Part-Time, Computer Science & Artificial Intelligence

National Institute of Technology (NIT) Nagpur

2025 – Present

Advanced General Management Program (AGMP), General Management

Institute of Management Technology (IMT), Ghaziabad

2022 – 2024

Postgraduate Diploma in Advanced Computing (PG-DAC), Computer Engineering

Centre for Development of Advanced Computing (CDAC) Hyderabad

2016 – 2017

Bachelor of Technology (B.Tech), Computer Science & Engineering

Babu Banarasi Das (BBD) University, Lucknow

2011 – 2015