

Himalay Goswami

Senior Software Engineer | Java | Spring Boot | TypeScript | React |
Microservices | Kafka | GCP | System Design & Architecture

Pune, India | +91-9129160777

[✉ himalay.gswm@hotmail.com](mailto:himalay.gswm@hotmail.com) | [LinkedIn](#) | [GitHub](#)

SUMMARY

Senior Software Engineer with 8+ years of experience architecting scalable, low-latency systems and delivering high-impact solutions across complex, distributed environments. Skilled in designing scalable systems from High-Level Design (HLD) to Low-Level Design (LLD), with expertise in **Java, Kafka, Spring Boot, and GCP**.

Adept at end-to-end development—crafting modular microservices, implementing event-driven architectures, and delivering intuitive frontends using **React, MobX, and TypeScript**. Proven ability to integrate complex systems, optimise performance, and lead solution design across both backend and frontend stacks.

TECHNICAL SKILLS

Languages & Paradigms: Java (8, 11, 17), TypeScript, JavaScript, Go (learning), Multithreading & Concurrency, Object-Oriented Programming, Functional Programming.

Backend & Frameworks: Spring Boot, Spring Cloud, Apache Kafka, RESTful APIs, GraphQL, gRPC, Redis, Elasticsearch (ELK), Protobuf.

Front-end & UI: ReactJS, MobX, Redux, Material-UI, Vaadin, HTML5, CSS3, jQuery.

Databases & Storage: PostgreSQL, MySQL, Redis, Elasticsearch.

DevOps & Cloud: Docker, Kubernetes, Git, Maven, Gradle, GCP, CI/CD Pipelines.

Auth & Security: OAuth2, JWT, SSO, Role-Based Access Control (RBAC).

Testing & Tooling: JUnit, Mockito, Mockito-inline, Cypress, Postman, Swagger, UML.

Architecture & Patterns: System Design, Distributed Systems, Microservices Architecture, Event-Driven Systems, Modular Design, Strategy Pattern, Factory Pattern, High-Throughput Pipelines, Scheduler-Based Workflows, ETL Orchestration.

WORK EXPERIENCE

REDWOOD SOFTWARE

April 2024–Present

Senior Software Engineer (Remote)

Domain: Finance Automation

Projects: **Data Transformer and Journal Entry**

- Engineered a high-throughput sorting library in Java, achieving 40%+ speedup for multi-million row datasets via async file/memory processing.
- Designed a scalable rule engine using Strategy + Factory patterns, optimising transformation workflows and improving processing efficiency.

- Implemented a Kafka-backed journal archiving system with React/MobX, reducing manual validation time by **60%** and supporting **real-time ingestion of 1M+ records monthly**.
- Wrote a reusable Excel parser that standardised upload workflows across **6+ modules**, reducing upload errors by **35%**.
- Led UI enhancements: implemented infinite scrolling for 500K+ records, optimised grid rendering, and migrated class components to React functional patterns.
- Achieved 90%+ test coverage across backend and frontend using JUnit, Mockito, and Cypress; incorporated CI/CD pipelines with developer documentation.
- Utilised multithreading to enable parallel chunk processing and I/O buffering, significantly improving sort performance for large datasets.
- **Won Redwood's internal hackathon** by designing a trigger-based ETL scheduler that reduced job orchestration time by **50%**, enabling **modular chaining of 100K+ row transformation pipelines** across multiple workflows.

CYFUTURE INDIA

April 2023 –

March 2024

Full Stack Engineer

Domain: E-Governance (DIGIT/UPYOG), Open Source, Civic Tech

Projects: Nagarsewa (Urban Services Delivery platform), CCMS (Court Cases Mgmt System)

- Created & deployed core civic modules utilised by **5+ city municipalities**, aligning with NUDM standards and reducing complaint resolution turnaround by **30%**.
- Resolved **20+ critical production bugs** and shipped new features across public service modules operated by **100K+ citizens**.
- Migrated legacy systems to Spring Boot microservices, cutting deployment time from **3 hours to 15 minutes** and improving release velocity.
- Integrated OTP, payment, and notification services via REST APIs, enabling **secure, real-time transactions for 100K+ citizens**.
- Boosted search performance by **2x**, using Redis and Elasticsearch to bring query latency under **200ms** for live citizen-facing modules.
- Built and implemented 15+ APIs powering **real-time court case filing and tracking**, reducing manual workload by **40%** in pilot districts.
- Represented UDD Dehradun at the **MoHUA national civic-tech hackathon**, where I helped design a prototype for **digitised urban grievance resolution**, shortlisted among the **top 10 solutions** nationally.

NANDISHI SOFTWARE

August 2018– March 2023

Full Stack Engineer, Software Engineer

Domain: E-Commerce, healthtech, Telecom

Projects: Cosmos Music (online music store), Surgical Plus (healthtech system), Skarvo (private social network)

- Assembled multilingual product sync services using Akeneo PIM, enabling **5K+ SKUs** to be onboarded across **3 regional markets**.
- Engineered telecom platform features: subscription APIs, real-time billing logic, and network monitoring, handling 10K+ daily transactions.
- Refactored monolithic codebases into modular Spring Boot microservices, reducing **API response time by 40%** and improving code maintainability across **5+ core modules**.
- Developed secure Surgical tools Integration & management UI used by **200+ clinical staff**, with modules for device detection, logging and communication.

- **Enhanced build tooling** by upgrading Maven/Gradle configurations and deprecating legacy components, reducing build failures by **30%** and improving CI/CD pipeline stability.
- **Streamlined internal analytics** by developing Vaadin dashboards, enabling real-time monitoring for **key business metrics** across departments.
- **Led production deployments**, authored comprehensive Swagger API documentation, and managed end-to-end test workflows using Postman—accelerating release cycles by **~25%**.

CONTENT MART

Nov 2016– May 2018

Software Developer Intern

SYSTEM DESIGN & ARCHITECTURE

- Designed a compute-heavy, modular data transformation engine (100+ workflows) using Strategy + Factory patterns at Redwood Tech
- Architected an external sorting system handling 5M+ rows, optimizing memory and processing time by 40%
- Built a reusable ETL scheduling system with trigger-based job orchestration for journal archival workflows
- Migrated monolithic civic-tech services (UPYOG/NagarSewa) into Spring Boot microservices with domain-driven design
- Optimized system performance using Redis caching, Elasticsearch indexing, and concurrent API execution
- Created detailed system diagrams (UML: sequence, use-case, and class) for onboarding, planning, and stakeholder communication

EDUCATION

UTU, Dehradun

2012- 2016

Bachelor of Engineering - 82%

Computer Science

Relevant Courses: Java, Computer Networks, Data Structures & Algorithms, DBMS.

St. John's Sr. Sec. School

2002 - 2012

Intermediate - 87%

PCM

OTHERS

Certifications: Certified Java Developer (Udemy), Java Concurrency (Michael Poguebinsky), Google Cloud Associate (Ongoing).

Hobbies: Reading sci-fi/fantasy, gaming, football, caring for my pet.

Soft Skills: Systems thinker, self-driven, strong communicator, thrives in ambiguity.

Books: Effective Java, Head First Design Patterns, Building Data Intensive Applications.