

# Jaswanth Gollamudi

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Senior Software Engineer with 5+ years delivering production systems across the full stack — Java/Spring Boot backends, React frontends, Flutter mobile, and cloud infrastructure across AWS and enterprise on-premise environments — with end-to-end ownership from requirements to deployment. Built and shipped across stockbroking, banking, compliance & risk governance, and telecom — at both high-growth startups and large enterprises — with hands-on depth in MCPs, tools, and AI agents.

## SKILLS

**Backend:-** Java, Spring Boot, Spring Security, Microservices, REST APIs, Hibernate/JPA, Kafka, Redis, Multithreading, Batch Processing, Maven, JUnit, Mockito · Python, FastAPI

**Frontend:-** React.js, TypeScript, JavaScript (ES6+), MobX, Context API, ApexCharts, Flutter (iOS, Android & Web)

**Databases:-** PostgreSQL, MySQL, Oracle, SQL, pgvector

**Cloud & Infra:-** AWS (EC2, S3, RDS, EKS, Lambda), Docker, Podman, Kubernetes, GitLab CI/CD, SonarQube, Grafana, Prometheus

**AI & LLM:-** Spring AI, LLM Integration (Claude, Groq, LLaMA), RAG Pipelines, Multi-Agent Systems, MCP, GitHub Copilot

## EXPERIENCE

### Software Engineer II

Dec 2023 – Present

British Telecom (BT Group) · Digital · Bangalore

#### Compass — Compliance & Assurance Platform

- Architected 5+ Spring Boot microservices integrating with 7 GRC systems — using Kafka for event-driven data sync across materialized views and Redis caching delivering sub-second responses, serving 400+ users daily via Docker on AWS EKS.
- Led a 4-person frontend team migrating to React/TypeScript — building 13 interactive ApexCharts dashboards with MobX and Context API, reducing dashboard load time from 5s to 900ms and enabling leadership to create personalised compliance views without engineering dependency.
- Built Control Tower — a unified aggregation layer across 200+ PostgreSQL tables from 7 source systems — with 20+ APIs and hierarchical drill-down retrieval powering sequential data exploration for compliance teams org-wide.
- Developed a data landscaping module replacing OneTrust — eliminating six-figure annual licensing costs — processing AWS file feeds to map products, applications, and vendors into a single org-wide compliance view.
- Enforced 80%+ test coverage through SonarQube quality gates across all Compass microservices — owning code quality standards and deployment readiness through GitLab CI/CD pipelines.
- Built an AI-powered chatbot using AWS Bedrock with LLM integration — enabling natural-language querying across aggregated compliance data, reducing time-to-insight for governance teams navigating hierarchical datasets.

**ITAM — Integration Template & Access Management Platform**

- Led a solo full-stack platform migration — consolidating 3 legacy Java 8 services into a single Spring Boot 3 microservice with a React 19 / TypeScript frontend, covering 134 APIs and 27 database tables end-to-end.
- Owned the MySQL-to-PostgreSQL 16 migration strategy — defined schema mapping across 4 domains, directed DBAs on indexing and data integrity, and validated 27 tables serving live B2B order workflows.
- Eliminated £12K/year in legacy hosting by containerising the platform with Podman and redeploying through GitLab CI/CD — replacing 4 WAR deployments with a single deployable JAR.
- Built the entire React 19 SPA from scratch — gateway management, XML template configuration, and order tracking views — with MobX state management and type-safe API integration via OpenAPI 3.
- Leveraged agentic AI to accelerate the entire migration, and built an MCP server integration turning ITAM into a chatbot-queryable platform — enabling teams to retrieve gateway and template data through natural language.

**Software Engineer I***Jan 2022 – Dec 2023**Trade Lab Technologies · Bangalore*

- Optimised a real-time stockbroking app (HDFC Sky) for 3M+ users — reducing mobile data consumption by caching connected stocks/funds, optimising WebSocket refresh cycles, and fine-tuning UI rendering for lightweight performance.
- Contributed to backend services for mutual fund data flows and bug fixes — working across Spring Boot APIs and assisting with production deployments.

**Application Developer***Apr 2021 – Jan 2022**Sub-k Impact Solutions · Hyderabad*

- Built recharge and onboarding features handling 30% of monthly platform transactions — integrating across Android versions, biometric machines, and receipt printers for 10K+ field agents.
- Developed CRUD APIs in Spring Boot and integrated third-party payment and data services — supporting the core transaction pipeline.

**P R O J E C T S****ContextFlow** | Python, FastAPI, PostgreSQL

- Built an AI-powered document Q&A system with hybrid search, LLM-based answer generation, and conversation memory — enabling accurate multi-turn querying across large knowledge bases.

**AgentDesk** | Python, LangChain

- Built a multi-agent AI system that routes customer queries by intent to specialized agents (billing, technical, escalation) — each with its own tools, memory, and fallback handling.

**Portfolio** | Next.js, Vercel

- Built and deployed a responsive portfolio site with server-side rendering, sub-2s load times, and optimised Core Web Vitals.

**E D U C A T I O N****B.Tech — Computer Science & Engineering***2015 – 2019**Amrita School of Engineering, Bangalore*