# Rashmi N

**Backend Engineer | Java · Kafka · Real-time Data · Distributed Systems**

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Bengaluru-based · Open to in-office, hybrid or remote · Available immediately

## Summary

Backend engineer since 2018, building Java services and Kafka-based data systems. At Intuit, I owned the Approval Service behind approval workflows in QuickBooks, Intuit's small-business accounting platform, end to end: design, delivery, monitoring and production reliability. At Swiggy Instamart, I built services in the Kafka pipeline that fed the live grocery catalog behind 1M+ weekly orders. I write design docs and ADRs before I build, and I'm comfortable making the call under ambiguity, a habit sharpened by founding and running my own company. I build day to day with AI coding agents (Claude Code).

## Skills

**Languages:** Java (primary) · Working knowledge: Python, Go

**Frameworks:** Spring Boot, Spring MVC

**Streaming & messaging:** Apache Kafka (transactional outbox, idempotent consumers, dead-letter queues)

**Databases:** PostgreSQL, Redis, DynamoDB, MongoDB, MySQL

**Cloud & DevOps:** AWS (EC2, S3, SQS, Lambda), Docker, Kubernetes, Jenkins, Git

**Practices:** Distributed systems, event-driven architecture, microservices, API design (REST / OpenAPI), system design, design docs and ADRs, CI/CD, production monitoring and alerting

**AI tooling:** Agentic development (Claude Code, GitHub Copilot)

## Experience

**Founder** · Swananda Food & Beverages OPC Pvt Ltd, Bengaluru · **May 2025 – Jun 2026**

*B2B natural beverage premix company for hotels, restaurants and cafés; incubated at CFTRI Mysuru*

- Owned the business end to end: modelled unit economics and COGS across 13 SKUs, set up contract manufacturing and ran B2B sales.
- Built a HoReCa lead-discovery tool on the Google Maps Places API that exports structured prospect lists, replacing manual outreach research.
- **2nd Runner-Up, TiECon Mysuru 2026 Pitchfest**; filed a provisional patent for a dual-chamber bottle cap.

**Software Engineer (SDE II)** · Intuit — QuickBooks, Bengaluru · **Mar 2023 – Mar 2025**

*Workflows Platform: Java · Spring Boot · Camunda 8 · Kafka · PostgreSQL*

- Engineer on the Workflows team, which exposed a Camunda 8-based workflow platform to QuickBooks, Intuit's small-business accounting platform, as approvals, schedulers, invoice generation and state management for financial documents.
- Module owner for the Approval Service, which businesses used to route invoices, receipts and other financial documents for approval through their organisational hierarchy; accountable for design, delivery and production reliability.
- Set up end-to-end monitoring and alerting (dashboards, thresholds, runbooks) to cut time to resolve production incidents.
- Led a 3-engineer pod to deliver **On-Demand Approvals**, letting customers trigger approval workflows without pre-configuring one: wrote the design, split it into tasks, guided two junior engineers through implementation and code review, and drove it to production.
- Redesigned the team's Jenkins CI/CD pipeline for per-PR production releases, raising release cadence from **0.3 to 2 releases/day** for a 12-engineer team.

**Software Engineer (SDE II)** · Swiggy — Instamart, Bengaluru · **Sep 2021 – Mar 2023**

*Grocery Catalog Ingestion & Catalog Features: Java · Go · Spring Boot · Kafka · DynamoDB*

- Stabilised and scaled Instamart's Kafka-based nightly catalog ingestion, which combined dark-store CSV uploads (SKUs, quantities) with pricing and inventory services to update each store's live catalog. Large files regularly broke the ~3 AM runs and forced operators to split uploads to stay under a size limit; I chunked the CSVs and processed them in multithreaded batches so large uploads went through reliably. The pipeline then scaled from Bengaluru and Delhi to **18+ cities**, behind **1M+ weekly orders**.

- Led the **MongoDB → DynamoDB migration** for catalog image metadata, removing a self-managed MongoDB cluster and its operational overhead, **with zero downtime via dual writes and a backfill**.
- Designed and built **Combos** (Java · Go · DynamoDB), a new customer-facing catalog capability for creating and displaying item bundles; **still live in the Instamart app 3+ years later**.
- Designed and shipped **city-level attribute overrides**, replacing a store-level-only model so merchandising could vary by city.

**Software Engineer** · ThoughtClan Technologies, Bengaluru · **Jul 2018 – Sep 2021**

- Built API Builder, a REST platform wrapping the open-source Activiti BPMN engine, and contributed extensions upstream.
- Set up and ran production deployments on Azure Kubernetes Service, including volume-mount database backups.
- Built a simulation service that mocks IoT device telemetry for integration testing.

## Projects

**GigWork: Gig Marketplace Backend** · Independent project · **Oct 2026 – Present**

*Java · Spring Boot · PostgreSQL/PostGIS · Kafka · Redis · Docker · Claude Code ·* *github.com/i-am-rashmi/gigwork*

- Building with an agentic workflow (**Claude Code**): I write the design doc, ADRs and OpenAPI contract, coding agents implement against them, and I review, test and correct every change.
- Building category-subscription notifications on a transactional outbox with Kafka, so job-post events are neither lost nor duplicated, filtered by PostGIS radius search.
- Designing race-safe hiring so concurrent selections cannot double-assign a job when a poster picks one applicant.
- Designed the backend for a marketplace connecting Indian creative gig workers (photographers, editors, makeup artists) with clients; design doc, ADRs and OpenAPI contract published in the repo.

## Education

**B.E., Computer Science** · B.N.M. Institute of Technology, Bengaluru · 84% aggregate · **2014 – 2018**

# Writing

Backend engineering notes: write-ups on databases, Kafka and system design.