SOFTWARE ENGINEER / JAVA BACKEND

Akanksha Maheshwari.

I build Java backend systems for retail and enterprise communications. At Salesforce and American Express, I worked on merchant integrations, financial reporting, and large-scale data migration. I'm also exploring AI-assisted developer workflows.

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Selected work

SALESFORCE / MERCHANT INTEGRATIONS

Connecting POS quotes to merchant systems

I built Java integration flows that let external merchants receive and manage quotes created at the point of sale. I also added connector options in the React admin console so teams could configure the integration.

SALESFORCE / RETAIL REPORTING

Bringing net sales to retail dashboards

I implemented a net sales metric excluding tax in SQL and Java, then surfaced it in React dashboards and CSV exports. The metric gave store teams a consistent view across hourly, sales, and reconciliation reports.

SALESFORCE / MERCHANT ONBOARDING

Expanding merchant setup across markets

I aligned country, currency, and language options in the React admin console with backend localization. I also worked on Solr configuration so search could use language-appropriate text analysis for supported locales.

25 countries in the merchant setup expansion

SALESFORCE / ORDER MANAGEMENT

Making order imports resilient to lock conflicts

I investigated intermittent return lookup failures and traced them to MySQL deadlocks that could roll back concurrent order imports.

SALESFORCE / ADMIN CONSOLE

Giving admins finer control over inventory access

I added separate permissions for stock adjustments, transfers, and cycle counts in the React admin console. Existing roles that used a single inventory permission continued to work.

AMERICAN EXPRESS / COMMUNICATIONS

Automating a legacy template migration

I built a migration tool for legacy email and letter templates on the enterprise communications platform. I also introduced caching in message assembly to improve performance.

7,000+ legacy templates migrated

PERSONAL PROJECT / AI PROTOTYPE

Job search and application assistant

I used an AI coding assistant to build a Python workflow that searches public job boards, ranks postings by role and location, and tracks applications locally. It uses my résumé to draft role-specific application materials for review.

AI developer tooling

CLAUDE CODE / LOCAL PROTOTYPE

Finding breaking API changes before merge

`api-contract-sync` is a skill prototype designed to review changes to Java endpoints and request or response models, trace affected callers in React and Swift, and flag changes that may require a client update.

Shared Retail Cloud Claude Code toolkit

The engineering team's shared toolkit includes 24 skills spanning design, testing, incident investigation, onboarding, and infrastructure.

Design and testing

`prd-review`
Review requirements for gaps, ambiguity, and feasibility.

`create-hld`
Turn requirements into a high-level design and implementation spec.

`implement-hld`
Guide implementation and verification from an approved design.

`feature-analyze`
Trace feature dependencies and assess the impact of a change.

`feature-test-suite`
Build test plans and API coverage across the backend, admin console, and POS app.

`e2e-test-plan`
Produce and run end-to-end tests from design documents.

Investigation and support

`ask-retail-cloud-help`
Answer product questions using documentation and code references.

`check-logs`
Filter application logs and trace errors to code.

`fetch-from-db`
Look up data to support an investigation.

`gus-investigate`
Triage issue tickets and document evidence and findings.

`gus-investigate-v2-beta`
Extend ticket investigations with shared findings and usage tracking.

`investigation-log`
Record findings and search prior investigations.

`pos-investigate`
Route POS support issues into the investigation workflow.

`reproduce-scenario`
Turn a POS scenario into a repeatable sequence of API requests.

Developer onboarding

`setup`
Prepare the development workspace and connect related repositories.

`onboard`
Guide developers to the setup for their area of work.

`onboard-app`
Set up the Swift POS app development environment.

`onboard-backend`
Set up the Java services and backend developer tools.

`onboard-cms`
Set up the React admin console and its dependencies.

Infrastructure

`add-pos-stack`
Guide configuration for a new POS application environment.

`aws-jit-export`
Help developers use temporary AWS access in their terminal.

`cdk-deploy-eb`
Guide review and deployment of AWS application environments.

`setup-tunnels`
Help developers connect to authorized application infrastructure.

`tomcat`
Manage a local Tomcat server and inspect its runtime state.

Experience

Salesforce

Member of Technical Staff

American Express

Software Development Engineer

EDUCATION

B.Tech. in Computer Science · The LNM Institute of Information Technology

RECOGNITION

GHCI AI Codeathon national winner and GHCI speaker · 2019