

ISHWANT SINGH BHAYANA

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EXPERIENCE

FedEx, Full Stack (Forward Deployed) Engineer | New York, NY

Feb 2024 – Present

- Built a multi-agent invoice-dispute resolution workflow (TypeScript, Python, OpenSpec) that retrieves invoices, shipment details, and contracts, applies business rules, and proposes auditable resolutions for human review for over 40K+ disputes/week.
- Built the compensation data flow for a new settlement system covering all FedEx Ground contractor payments across the US and Canada, supporting \$1B+ in annual payouts with idempotent event processing and validation.
- Partnered with Product and Operations to map delivery and settlement workflows into a cross-org data layer, eliminating double entry and reducing reporting time by 50%.
- Scale distributed data pipelines (Spring Boot, Cassandra, PCF) processing 15M+ daily logistics and settlement events.
- Led an overhaul of authentication and authorization, redesigning access scopes, permission checks, and fallbacks for the application.
- Built real-time workflows for 10+ delivery-issue types, helping operations teams identify, triage, and resolve issues while linking outcomes to SLAs and compensation.
- Led adoption of AI native practices across 4 teams and 30+ developers leading to reduction in work-item cycle time.

FedEx, Full Stack Developer Intern

Jun – Aug 2023

- Updated Java and Spring Boot services with JMS listeners and Cassandra to process 1M+ delivery-stop events daily; exposed the data through REST APIs and replaced legacy batch uploads.

ESL Gaming, Software Developer (Frontend) | CA

Mar – Aug 2022

- Built skin-sharing and product-recommendation features for Badlion Client, helping 1M+ community members discover a catalog of 30K+ Minecraft assets.
- Implemented a gamified XP and rewards engine (Java, Electron JS), increasing session length by 15%.
- Created responsive React and Redux interfaces with search and pagination to help users browse the digital asset catalog.

Loop Health (YC W20), Software Developer | Pune, India

Jun – Aug 2021

- Built an insurance claims tool with creation and filtering workflows and shipped a lab appointment booking app, reducing booking time by 30%.
- Refactored the backend data layer for a NoSQL-to-SQL migration, redesigning schemas and queries to lower per-query cost and improve retrieval.

EDUCATION

New York University, MSc in Computer Engineering | GPA: 3.67/4.0

Sep 2022 – May 2024

Coursework: Deep Learning, Machine Learning, Big Data, Systems Engineering, Database Systems

GGSIU, Delhi, India, B.Tech, Information Technology | GPA: 8.58/10

Aug 2018 – Jun 2022

PROJECTS

Self-Evolving Agent Harness (LLM Evals, MongoDB, LangSmith) - Turns production failures into PRs and governed evals.

Alertly (Multi-Agent Orchestration, LLM Evals) - Full-stack marketing system that measures AI visibility and publishes AEO content.

Rerout (LLM Routing, Guardrails) - Memory, cost, and complexity-aware LLM gateway with dynamic model routing and observability.

Stordi (Vector Embeddings, Hybrid Search, MCP) - Agent-native file storage with semantic retrieval, versioning, and scoped access.

SKILLS

Languages & Data: Java, TypeScript (Next.js, React, Angular), Python, SQL, MongoDB, Cassandra, PostgreSQL

Applied AI & Integrations: Multi-Agent Systems, MCP, RAG, Tool Workflows, LLM Evals, Guardrails, HITL, Vector Search, LLM Routing, REST APIs

Backend & Deployment: Spring Boot, Node.js, Django, Docker, Kubernetes, PCF, GCP, AWS, Jenkins, Apache Kafka