

Sunil Chaudhary

+1 857-397-6125 • chaudhary.sun@northeastern.edu • [LinkedIn](#) • [GitHub](#) • Boston, MA

SUMMARY

Data, software, and cloud engineer with 2 years shipping client software at Avanade (Accenture), followed by data and platform roles at Audax Group and Northeastern. Migrated **40M rows** into **Snowflake**, cut client ETL from **90 to 35 minutes**, and held **22 Airflow DAGs** at 99% success. Builds **Python**, **Go**, and **FastAPI** services on **AWS** and **GCP** with **Terraform** and **Kafka**. Ships **LangGraph** RAG agents gated by LLM-as-judge evaluation.

EXPERIENCE

Northeastern University, Center for Entrepreneurship Education

Jan 2026 – Sep 2026

Data Engineer

Boston, MA

- Optimized campus marketing reporting to scan **55%** fewer **BigQuery** bytes by partitioning tables on event date and clustering on program ID.
- Established **94% dbt** test coverage across entrepreneurship center models with unique, not-null, and relationship tests run in **CI** on each merge.

Northeastern University, Information Technology Services

Jan 2025 – Sep 2026

Software Engineer

Boston, MA

- Unified **18K Salesforce** and **Airtable** campus records with idempotent **Python** sync jobs keyed on external IDs, so reruns never duplicate.
- Shortened incident detection on campus systems to a **9-minute MTTD** by tuning baseline alert thresholds and routing alerts into on-call tickets.

Audax Group, Business Solutions

Jul 2025 – Dec 2025

Data Analyst Co-op

Boston, MA

- Migrated **40M rows** of private equity vendor reporting into **Snowflake** by rebuilding legacy SQL as reusable CTEs and stored procedures.
- Reduced **Snowflake** compute **22%** for portfolio spend reporting by right-sizing warehouses and clustering large invoice fact tables by date.
- Validated migrated finance reports with **31** reconciliation checks on row counts, totals, and business rules across legacy and **Snowflake** outputs.
- Reconciled **200** mismatched vendor invoices by tracing each break to source records, separating translation bugs from genuine data disagreements.
- Consolidated **11K** supplier records with fuzzy name matching in **Python** and **Alteryx** profiling, surfacing duplicate contracts for finance.
- Delivered **99%** run success across **22 Airflow** DAGs for vendor data loads by adding retries, sensor-gated dependencies, and failure alerts.

Avanade (Accenture)

Jul 2023 – Jul 2024

Software Engineer Analyst

Mumbai, India

- Accelerated client reporting ETL from **90 to 35 minutes** by replacing full refreshes with incremental **dbt** models on **BigQuery** in **Airflow**.
- Lowered release rollbacks **60%** on client delivery work by gating merges on automated tests and staged deploys in the **CI/CD** pipeline.
- Mentored **8** engineers on enterprise engagement standards through pairing sessions and onboarding guides, shortening their client ramp-up.
- Raised first-pass pull request approval to **85%** across client codebases by introducing review checklists and shared linting rules in **Git**.

Avanade (Accenture)

Aug 2022 – Jul 2023

Software Engineer

Mumbai, India

- Built **JavaScript** and **ASP.NET MVC** integrations for a **25K-user** enterprise web portal, connecting client systems through **REST** endpoints.
- Instrumented the **25K-user** client portal with **Google Analytics** event tracking and tag management, giving stakeholders feature usage data.
- Resolved production incidents on client enterprise web apps at a **7%** ticket reopen rate by writing root-cause runbooks from **SQL** and app logs.

RELEVANT PROJECTS

ORBIT – Multi-Agent Due Diligence Platform | *LangGraph, Qdrant, FastAPI, MCP, GKE, Docker*

[GitHub](#)

- Architected a **LangGraph** multi-agent due diligence platform over **26,985 Qdrant** embeddings with HNSW vector search and ReAct agents.
- Pioneered an **LLM-as-judge** gate that rejects uncited claims before output, cutting ungrounded answers **40%** on a held-out **RAG** eval set.
- Deployed **FastAPI** agent services and **MCP** tool servers on **GKE** from **Docker** images, generating source-cited research briefs for **50** target companies.

Cloud Native Marketplace API on AWS | *Python, Go, FastAPI, Bazel, Terraform, AWS*

[GitHub](#)

- Designed a **FastAPI** marketplace API with token auth and service-layer ownership checks, verified by **40+ Pytest** integration tests on PostgreSQL.
- Codified **AWS** EC2, ALB, Auto Scaling, and RDS in **Terraform**, releasing through a **4-stage GitHub Actions** pipeline with Terraform plan review.
- Championed hermetic **Bazel** builds for the **2-language Python** and **Go** codebase, so CI rebuilds and retests only the targets each push changes.

Real-Time Trading System | *Kafka, PostgreSQL, Docker, Python, Linux*

[GitHub](#)

- Led a **Kafka** market data pipeline sustaining **8K events/sec** in a **Docker** load test, committing offsets only after PostgreSQL writes succeed.
- Spearheaded consumer-side schema validation with a dead-letter topic, catching **95%** of injected schema breaks before they reached storage.
- Engineered idempotent **PostgreSQL** upserts keyed on event ID, so replayed **Kafka** messages yield **0** duplicate rows under at-least-once delivery.

TECHNICAL SKILLS

Languages: Python, SQL, Go, Java, JavaScript, C#, Bash, PowerShell

Full-Stack & APIs: FastAPI, REST APIs, ASP.NET MVC, Spring Boot, React, SQLAlchemy, Pytest

Systems & Performance: Kafka, PostgreSQL, Linux, Docker, Kubernetes, Bazel, Incident Response

Cloud & DevOps: AWS (EC2, RDS, ALB/ASG, Lambda), GCP (GKE), Azure, Terraform, GitHub Actions, CI/CD, Git

Data & Tools: Snowflake, BigQuery, dbt, Airflow, Alteryx, Power BI, Tableau, LangGraph, Qdrant, MCP

EDUCATION

Northeastern University

Sep 2024 – Aug 2026

Master of Science – Information Systems

Boston, MA

Mumbai University

Aug 2018 – May 2022

Bachelor of Engineering – Electronics Engineering

Mumbai, India