

# Rohan Ratwani

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## SUMMARY

Software engineer with 5 years across customer-facing delivery, Snowflake data engineering, and applied GenAI. Recently led a custom Snowflake data-lifecycle solution that closed a native-platform gap for multi-tenant MSSP clients and cut storage and compute costs, translating an ambiguous client need into a production system. Comfortable embedding with client teams to turn business problems into working software, the core of forward-deployed engineering.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, Java, SQL, YAML, R

**Snowflake & Data:** Snowflake (stored procedures, task DAGs, SCD-2, Parquet archival), Spark, Kafka, SOLR, Streaming & Metadata-driven Pipelines

**AI & LLMs:** LLM APIs (OpenAI / Gemini / Claude), RAG, Text-to-SQL, Prompt Engineering, Embeddings, Vector Search, LangChain, Multi-agent Workflows

**Cloud & DevOps:** AWS (S3, Glacier, Athena, RDS), Docker, Kubernetes, Jenkins CI/CD, REST APIs, Microservices · Grafana, Datadog

## WORK EXPERIENCE

### Senior Software Engineer, Securonix Inc.

Oct 2023 – Present

*Promoted from Software Engineer to Senior Software Engineer, Apr 2026.*

- Led design and delivery of a custom Snowflake data-lifecycle-management solution after the platform's native Storage Lifecycle Policy couldn't meet multi-tenant MSSP clients' differential-retention and archival needs, translating an ambiguous client requirement into a production system running across US and EU tenants.
- Built the DLC engine as Snowflake stored procedures and per-tenant task DAGs (SCD-2 configuration; event-date-partitioned Parquet archival to S3/Glacier); retired a parallel EC2 Enrich-to-Parquet ingestion service and eliminated duplicate storage, saving thousands per month. Validated with a 34-case end-to-end test harness.
- Designed and shipped an in-house LLM text-to-SQL and semantic-search assistant (RAG over Snowflake and SOLR indexes, system-prompt tuned); awarded “Most Likely to be Productized” at the company hackathon.

### Cloud Service Engineer, Securonix Inc.

Apr 2022 – Sep 2023

- Owned data-storage and query performance across Apache SOLR and AWS Athena; managed Spark indexer jobs processing high-volume customer security-event data.
- Orchestrated indexing and storage pipelines across SOLR, AWS S3, and Snowflake handling 450K+ events/second using Spark and Kafka Connect.
- Built migration scripts moving data from S3 to Snowflake with minimal cutover time and zero data gaps for 250+ customers.

### Associate Cloud Security Engineer, Securonix Inc.

Jul 2021 – Mar 2022

- Customer-facing technical contact for enterprise SIEM customers: triaged and resolved customer-raised tickets across UI Core, search, and data pipelines, joining live customer calls to diagnose and resolve production issues.
- Resolved priority-zero (P0) critical incidents across 300+ production customer environments, sustaining 99.8% uptime.

### Advanced Technology Electronics Intern, SNSR Fusion

Jul 2020 – Jul 2021

- Built embedded ADAS software for computer-vision object detection using Python, OpenCV, and TensorFlow (Raspberry Pi, fish-eye cameras).

## PROJECTS

### CreatorIQ – AI-Powered Creator Analytics [\[Live Demo\]](#)

2025

- RAG SaaS creating AI “brain clones” of YouTube creators; built the end-to-end pipeline (transcripts → embeddings → vector search → reranking → LLM) with citations and real-time processing.

### LinkAudit – AI-Powered GEO & SEO Analysis Platform [\[Live Demo\]](#)

2025

- Website audit platform for Generative Engine Optimization; multi-agent AI workflows delivering SEO, security, and AI-citation insights across ChatGPT, Gemini, and Claude.

### Athena Enablement Automation

2022

- CI/CD Jenkins pipeline provisioning AWS Athena workgroups and MySQL configs on demand; cut customer tickets for missing configs by 90% (Python, Jenkins/Groovy, Boto3).

## PUBLICATIONS

“Multifunctional HUD with Drowsy Detection & Fog Elimination Mechanism” (Elsevier-SSRN, 2018).

“E-Verification of Driver for Road & Automobile Safety” (JETIR, UGC 63975, 2019).