

# ROHAAN MALIK

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## PROFESSIONAL EXPERIENCE

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### Chaos Labs

Toronto, ON

Senior Software Engineer – AI Platform & Data Infrastructure

January 2026 – June 2026

- Architected and launched a stateless TypeScript real-time blockchain alerting platform for 10 enterprise clients, processing 7k to 8k events/sec across 4+ chains from Kafka streams with asynchronous ingestion and JSON-based rule evaluation.
- Owned end-to-end alerting reliability as sole technical contributor, stress testing the platform to 60k events/sec and building Datadog dashboards for throughput, lag, latency, alert volume, failed notifications, webhook errors, and queue depth.
- Designed Python Airflow DAGs and ingestion pipelines integrating Zerion, Yahoo Finance, Finnhub, SEC filings, earnings transcripts, and structured datasets powering MCP tools and AI research workflows.
- Shipped client-facing AI agent workflows using Python by defining MCP tool calls, extending model-accessible financial tools, and coordinating with infrastructure, product, and AI teams for revenue-generating research features.

### Elixir Protocol

Toronto, ON

Senior Software Engineer – Full Stack

July 2024 – December 2025

- Built and optimized trading infrastructure improving execution performance by 10x, reducing latency from 200 ms to 20 ms through Kafka based event pipelines and initialization flow redesigns.
- Liaised with cross-functional teams to strengthen execution reliability and developed an internal React/TypeScript admin console for governance and monitoring, used daily by 10+ engineers and ops.
- Spearheaded the transition from manual rewards distribution to Airflow on Kubernetes with CloudHSM integration, creating a governed pipeline distributing USD 10,000 in rewards monthly.
- Facilitated collaboration between engineering and infrastructure teams to reduce airdrop computation time from 90 minutes to under 2 minutes through asynchronous Web3.js pipelines.
- Coordinated with infrastructure teams to migrate production services from AWS ECS to GCP Kubernetes, reducing operational costs by 35% and improving deployment scalability.

### SX Technology

Toronto, ON

Software Engineer – Full Stack

January 2022 – April 2023

- Built blockchain betting platform features using Next.js, Node.js, MongoDB, Solidity, Web3.js, and Ethers.js integrations, doubling supported markets and increasing revenue by 30% while improving platform efficiency by 80%.
- Developed cross chain wallet and bridge infrastructure supporting SX Network, Polygon, and Ethereum transfers via multi wallet integrations, contributing to 15% month over month DAU growth.
- Introduced Pulumi infrastructure automation for backend services and deployment workflows, reducing deployment time by 90%.

### Citi Bank

Mississauga, ON

Software Engineer – Full Stack

August 2020 – January 2022

- Delivered scalable REST APIs with Java Spring Boot to support internal equity research and reporting platforms, improving data publishing speed and reliability.
- Optimized SQL queries and indexing strategies, reducing average query latency by 20% and improving data retrieval efficiency.

## EDUCATION

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University of Toronto, St. George

Toronto, ON

Bachelor of Science in Computer Science & Economics

September 2016 – April 2020

## TECHNICAL SKILLS

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**Languages:** Python, Go, TypeScript, Java, SQL, JavaScript, Solidity, Bash

**Backend / Full Stack:** React, Next.js, Node.js, FastAPI, Spring Boot, GraphQL, Express, REST APIs

**Scalable Systems & Data:** Kafka, BullMQ, Redis, PostgreSQL, MongoDB, Snowflake, data build tool, Airflow, OpenSearch

**Blockchain & Web3:** Ethereum, Polygon, Solidity, Web3.js, Ethers.js, Wallet Integrations, Bridge Infrastructure

**AI & Research:** MCP Tooling, OpenAI API, Financial Data Integrations, Embeddings, RAG Pipelines, Retrieval Systems

**Cloud / DevOps:** Docker, Kubernetes, AWS (EKS), GCP, Terraform, Pulumi, Prometheus, Grafana

**CI/CD & Testing:** GitLab CI/CD, Jenkins, Jest, Mocha, Automated Testing, Deployment Automation