

Shahab Jami

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EXPERIENCE

AI Systems Engineer

Dec 2023 – Present

JamiTech

Toronto, ON

- Transformed **\$2.3B in financial procurement data** that was previously unusable, **revealing a 55% disclosure gap** using a custom event-driven, multi-agent architecture offering **100% data lineage and provenance**
- Achieved ~20× cost reduction** in AI inference (vs GPT-4o API pricing) by designing an intelligent model routing system for agent-based orchestration with **no measurable accuracy loss**, developed in collaboration with the **Vector Institute**
- Improved operational logistics for **650+ businesses** by building a real-time data pipeline and **PIPEDA-compliant** subscription platform, handling **100k+ events/day** with **99.9%** uptime
- Maintained and extended a high-availability university web platform serving **53k+ users** with near-zero downtime
- Designed **HIPAA-compliant system architecture** for client applications operating under healthcare data regulations

Founder & AI Engineer

Jan 2025 – Jan 2026

Youralgo

Toronto, ON

- Reduced costs from \$0.55 to \$0.06 (~90%) per video** for AI content generation platform through GPU optimization, model quantization, and optimized inference orchestration
- Reduced token usage by ~40%** by replacing LangGraph-based pipelines with a custom multi-step agent orchestration architecture
- Achieved sub-20ms p50 latency** for a **real-time** recommendation system, evaluating **~2,400 candidates per request** and handling vector drift by engineering a custom C++/Go vector quantization system

Course Author

Oct 2024 – March 2025

Udacity

Toronto, ON (remote)

- Authored a production-focused C programming course covering low-level systems concepts including memory management, performance optimization, and systems-level programming
- Course **adopted by 1,000+ learners** shortly after release, with sustained **engagement across multiple quarters**

Software Engineer Intern

May 2022 – Aug 2022

TD Bank (TD Securities)

Toronto, ON

- Contributed to full-stack development of internal systems using Spring Boot microservices and React (TS & JS)
- Worked within an event-driven architecture leveraging Axon Framework for distributed system coordination
- Maintained development continuity during a temporary staffing gap, independently progressing system work and priorities

EDUCATION

York University

Toronto, ON

Honours Bachelor of Science (BSc) in Computer Science with a focus in Machine Learning

2025

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, C, C++, Go, SQL

AI & ML: PyTorch, TensorFlow, TensorRT, LangGraph, CrewAI, Scikit-Learn, LLMs, RAG, Vector Databases

Data Technologies: MySQL, PostgreSQL, pgvector, Redis, RedPanda, ScyllaDB, Pandas, ETL Pipelines

Backend Technologies: Django, FastAPI, Spring-Boot, Axon, Node.js

Frontend Technologies: React, React-Native, Next.js, Vite

Tools & Platforms: Docker, Kubernetes, AWS, GCP, CloudFlare, MLflow, Git