ATIF KHAN

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EDUCATION

University of Toronto 2026
B.Sc. in Computer Science, Mathematics & Statistics

EXPERIENCE

Criteo May 2025 – Present
Full Stack Software Engineer Intern — Backend & Infrastructure (Toronto, ON)
Technologies: .NET 8, Angular, SQL Server, AWS, REST APIs, CI/CD, Cloud Logging

- Architected a full-stack dataset generation platform using **.NET 8, Angular, and AWS**, allowing engineering teams to simulate millions of data transactions for validation and debugging.
- Designed and deployed distributed microservices that process data from multiple sources, improving system throughput by **70%** and reliability under high load.
- Built REST APIs with secure token authentication, structured logging, and rate limiting for fault-tolerant production readiness.
- Developed automation scripts and observability tools that reduced incident response times by **30%**.

General Motors Jan 2024 – Oct 2024
Software Test Engineer — ADAS (Toronto, ON)
Technologies: Python, SQL, Jenkins, REST APIs, Data Pipelines

- Automated regression testing for ADAS (Super Cruise) features, reducing manual testing by **60%** and saving 200+ engineering hours per release.
- Built Python telemetry pipelines to monitor vehicle sensor performance and detect anomalies in real-time.
- Integrated automation results into SQL dashboards and Jenkins pipelines for cross-team visibility and debugging efficiency.

Intact Financial Corporation May 2023 – Jan 2024
Software Engineer Intern — DevSecOps (Toronto, ON)
Technologies: Jenkins, Terraform, Kubernetes, AWS, Grafana, Bash

- Engineered and maintained over **26+ CI/CD pipelines**, improving deployment reliability by **35%** across multiple environments.
- Automated container scanning, vulnerability management, and compliance checks — reducing high-severity CVE exposure by **25%**.
- Created dashboards for real-time monitoring and alerting using Grafana and CloudWatch.
- Collaborated with cloud engineers to implement blue-green deployments and infrastructure-as-code automation.

PROJECTS

Niyyah — AI-Powered Intentions Tracker (Founder)
Technologies: React Native, Node.js, Supabase, OpenAI API, AWS Lambda

- Designed and built an AI-powered app that helps users set and track daily intentions through a clean, minimal interface.
- Integrated features such as "Ask Hikmah" (AI spiritual guide), "Barakah Board" (daily intention tracker), and "Find Mosque" (map-based locator).
- Developed backend APIs with Node.js and Supabase, enabling real-time syncing and secure data storage for 500+ test users.
- Implemented gamified dashboards and cloud-based push notifications to enhance user retention and engagement.
- Showcased product through a cinematic soft launch campaign, managing design, development, and content strategy end-to-end.

SKILLS

Languages: Python, C#, JavaScript, TypeScript, SQL, Bash

Frameworks: Angular, React, Node.js, .NET Core, Express, React Native

Cloud & DevOps: Google Cloud Platform, AWS (EC2, S3, Lambda), Terraform, Docker, Kubernetes, Jenkins

Databases: SQL Server, PostgreSQL, Supabase, MongoDB

Testing & Tools: NUnit, Moq, Cypress, Postman, Azure DevOps, GitHub Actions

Soft Skills: Collaboration, Communication under pressure, Systems Thinking, Empathy, Adaptability, Agile Development