Hasan Nasir

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EDUCATION

University of Toronto

Honours Bachelor of Science - Computer Science, Statistics, and Geospatial Data Science   *Graduation: April 2026*

- **Relevant Courses:**
  Data Structures & Algorithms, Software Design Patterns, Spatial Data Science, Relational Databases, Remote Sensing, Surveys & Observational Data, Software Tools & Systems Programming

EXPERIENCE

Interac Corporation   Jan. 2025 – Aug. 2025

DevSecOps & Cloud Co-op

- Established core AWS networking and data infrastructure using Terraform for Interac Notifications cloud migration, **reducing provisioning time by 80% across 3 environments**
- Implemented centralized ALB access logging to S3 across multiple department projects, **achieving 100% traffic logging coverage** for observability and security audits
- Developed reusable Terraform CloudHSM and SES modules to standardize service deployment, **accelerating provisioning** across environments
- Implemented **secure VPN connectivity and routing** between on-prem databases and private AWS RDS, enabling reliable hub-and-spoke access to cloud data

Royal Bank of Canada   Sep. 2024 – Dec. 2024

Technical Systems Analyst Co-op

- Upgraded reverse proxy configurations to **enable transition to a hybrid server architecture**, ensuring operational continuity during the RBC-wide Apigee migration.
- Contributed to development of a script to **validate Apigee API proxy configurations**, ensuring compliance with migration standards
- Oversaw management of internal Apigee microservices by adding and removing services across projects, **optimizing microservice footprint during migration**

Interac Corporation   May 2024 – Aug. 2024

Platform & Cloud Co-op

- Conducted SPIKE research on **cloud migration strategies and resource requirements**, reducing planning uncertainty and accelerating development timelines
- Implemented a **project-wide configuration migration** from Splunk Connect to Splunk OpenTelemetry, **improving telemetry collection and reliability** across multiple Kubernetes clusters
- Upgraded Ambassador API filters to align with latest releases, **enhancing traffic management and request filtering** across Interac's Kubernetes environments

PROJECTS

Comic Book Catalogue | *Java, Spring Boot/Web, Maven, Postman, GitHub Actions*

- Designed a **3-service** microservice comic catalog application using Spring Boot, building **RESTful APIs** and inter-service communication for modular and scalable functionality
- Configured Netflix Eureka **client-side service discovery**, enabling **100% automated microservice registration** and scalability, resilient inter-service communication

Facial Rekognition App | *Python, AWS (Rekognition, S3, Lambda, DynamoDB)*

- Developed an **AWS-powered computer vision application** using AWS Rekognition deep-learning models for facial recognition
- Managed traffic flow between AWS services using Lambda, **implementing API Gateway for seamless communication** between the front-end and S3 buckets

TECHNICAL SKILLS

Languages: Python, Java, SQL, Bash/Shell

Tools & Frameworks: Spring Boot/Web, Amazon Web Services (AWS), PostgreSQL, Terraform, Kubernetes, Docker, Git, GitHub Actions, Maven, Postman, Jira