Kamal Chafik

Montreal, QC

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Software Engineering undergraduate with 7+ years of experience as a Business Analyst, transitioning into a technical role with a focus on Business Intelligence and data-driven solutions. Currently developing expertise in data modeling, ETL pipelines, dashboards, and cloud-based analytics to bridge business strategy and engineering execution.

Skills

- Web Development (React, Node, Django, Express)
- DevOps / GitOps (Docker, Kubernetes, CI/CD, FluxCD)
- IaC (Terraform, Ansible, OpenTofu, Pullumi)
- Cloud Computing (AWS, Akamai)
- ML/AI (TensorFlow, Scikit-Learn, OpenCV, Keras)
- Event Driven Architecture (Kafka, RabbitMQ)
- NoSQL (MongoDB, DynamoDB, FireStore)
- RDBMS (SQL Server, Oracle, MySQL)

Experience

IT Consultant

Self Employed, Montreal, QC   *January 2024 - Current*

- Optimized website performance, reducing loading time from 9 seconds to under 2 seconds.
- Migrated infrastructure from traditional hosting to cloud computing, implementing redundancy and disaster recovery strategies.
- Deployed a monitoring suite to ensure performance, uptime, and availability.
- Built a full database with stored procedures to save over 50h of work a month through automation

Software Engineer

Éclipse - Solar Car, Montreal, QC   *February 2022 - Current*

- Implemented a VPC with private subnets for sensitive resources and VPN access.
- Developed a barrier detection application for the Bridgestone World Solar Challenge.
- Optimized a Weather API for low-signal environments and connexion loss.
- Enhanced a genetic algorithm for stage-based optimization in the American Solar Challenge.
- Built a full CI/CD pipeline for the main strategy web application with AWS.

Business Analyst II

TELUS, Montreal, QC   *June 2017 - Current*

- Launched the SmartWear Security product, exceeding SLAs within the first 3 months.
- Enabled digital guard dispatching, Events, reducing Frontline call AHT.
- Developed an internal web application in SharePoint to streamline SmartWear call flows.
- Scripted a funnel for external requests, improving workload management and efficiency.

Education

Software Engineer 2025

École De Technologie Supérieure, Montreal, QC

Languages

English

French

Arabic