Akram El-Gaouny

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Passionate fourth year software engineering student with a strong foundation in computer programming seeking an internship for summer 2023

EDUCATION:

University of Ottawa | Ottawa, Ontario
Bachelor of Applied Science in **Software Engineering** (GPA: 9.58/10) | December 2023

Key Courses: Data Structures, Algorithms, Databases, Quality Assurance, Operating Systems & Graphical User Interface.

LANGUAGES AND SKILLS:

Python, Java, JavaScript, Golang, HTML, CSS, SQL, MongoDB, Terraform, Docker, Kubernetes, Grafana, Prometheus, Splunk, Concourse, GitHub Actions, Linux, JIRA, AWS, Azure, Git/GitHub.

EXPERIENCE:

Qlik: **Site Reliability Engineer Intern** | Ottawa, Ontario | May 2022 – August 2022
- Assisted development teams to onboard microservices to stage and production.
- Automated provisioning of infrastructure and cloud resources using Terraform.
- Debugged and investigated services with violating SLOs and decreasing error budgets.
- Collaborated in disaster recovery drills to restore MongoDB clusters.
- Created a CI/CD pipeline to verify and validate database IaC.
- Successfully presented a POC to investigate MongoDB Kubernetes operator.

Shared Services Canada: **Part-time Cloud Engineering Intern** | Ottawa, Ontario | Jan. 2022 – May 2022
- Developed an automated security compliance tool for verifying Azure subscriptions.
- Worked on a Continuous Integration pipeline that checks for any high-risk security misconfigurations in IaC files.

Qlik: **Site Reliability Engineer Intern |** Ottawa, Ontario | Sept. 2021 – Dec. 2021
- Developed a Slackbot service to allow developers to query metrics on MongoDB clusters, databases, and collections.
- Authored an SLA document describing the SLIs, SLOs, and Error Budgets of the service.
- Integrated metrics and tracing into the service using Prometheus and OpenTelemetry.
- Created a Grafana Dashboard to monitor the health of the service.

Shared Services Canada: **Cloud DevOps Engineer Intern** | Ottawa, Ontario | Jan. 2021 – Sept. 2021
- Worked on Infrastructure as Code (IaC) and scripting activities using AWS CloudFormation and AWS CDK.
- Developed a strong understanding and experience with essential AWS services.
- Assisted cloud architects and engineers by collecting requirements from different teams.

Shared Services Canada: **Junior Developer Intern**| Ottawa, Ontario | May 2020 – Jan. 2021
- Developed a website to host different playbooks that are produced by Shared Services Canada.
- Worked on an interactive on-boarding documentation to improve the onboarding experience of CO-OP students.
- Authored several playbooks to document different cloud computing concepts.

CERTIFICATIONS:

- **Amazon Web Services Cloud Practitioner |** Sept. 2022 – Sept. 2025

PROJECTS:

- Budget Buddy **(Node JS, React, Express, MongoDB)**
- Stock Search Server (**Node JS)**
- AI Tic-Tac-Toe **(Python)**
- Service Novigrad **(Java, Android Studio)**

AWARDS/ SCHOLARSHIPS:

- University of Ottawa Entrance Scholarship
- Dean's List | Years: 2019 – Current
- Top mark in math and computer science in grade 12.
- Honour Roll | Years: 2015 - 2019

Canadian Citizen | Graduating December 2023