

# Amayas Said Amer

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## TECHNICAL SKILLS

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**Languages:** Python, Go, JavaScript, Java, C/C++, HTML/CSS, SQL

**Technologies:** Linux, Git, Docker, PostgreSQL, MongoDB, MariaDB, Redis, Firebase, AWS (EC2), Google Cloud (Cloud Run), React, Vue.js, Angular, Node.js, REST, GraphQL

## EDUCATION

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**Bachelor's degree in Software Engineering, Engineering Management and Entrepreneurship Option**

*University of Ottawa*

2023

GPA: 8.8 / 10

## EXPERIENCE

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**5G gNodeB CU Developer (CO-OP)**

*Dell Technologies*

May 2022 - August 2022

- Kept the test framework codebase up to date for library integrations by upgrading it from Python 2 to Python 3
- Extended test framework functionality by integrating internal library
- Supported other developers through test framework upgrade by writing documentation and guides
- Technologies: Python, PIP, Robot Framework, RHEL, yum (package manager)

**Software Developer in Global DNS Analytics (CO-OP)**

*Canadian Internet Registration Authority*

May 2021 - August 2021

- Provided real-time insight into DNS infrastructure performance by building a web portal to visualize monitoring data
- Improved flexibility for web client by designing a GraphQL API to expose the test result database
- Consulted future users to create charts that convey useful information on DNS performance
- Technologies: Vue.js, PrimeVue, Google Charts, OpenLayers, Keycloak (auth), Ansible, Nginx, GraphQL, Node.js (Express), MariaDB

**Software and Automation Tools Developer (CO-OP)**

*Nokia*

September 2020 - December 2020

- Improved team productivity by writing automation scripts for configuration backup and initial provisioning of routers
- Reached a maximum number of users by porting scripts to both *Windows* and *Linux* operating systems
- Supported users with documentation, presentations and demos
- Technologies: Python 3, Pexpect (library), Pyinstaller, SROS (service router operating system), SSH, CentOS

**Software Developer (CO-OP)**

*Ribbon Communications*

January 2020 - May 2020

- Allowed users to test a mail server configuration by creating UI components and an API endpoint that sends test emails
- Wrote and presented proposals/designs for a new feature to allow dropdown options configuration
- Improved user experience by allowing navigation when API calls were being performed
- Technologies: Angular, PrimeNG, REST APIs, JWT, TypeScript, HTML, CSS, Java, Kubernetes, Swagger

**Technical Analyst (CO-OP)**

*Royal Canadian Mounted Police*

May 2019 - August 2019

- Investigated technical issues faced by other employees by answering calls and tickets

## PROJECTS

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**E-commerce website**

*School project*

2022

Technologies: React, Node.js, MongoDB, Docker, Stripe, Google Cloud, GitHub Actions, Jest

An online store for a local client that sells antiques and collectibles. Gathered requirements, designed, implemented and tested the software.

**Proximity social media application**

*Personal project*

2023

Technologies: Go, Flutter, Docker, AWS

A mobile application that allows users to post messages and see messages posted by other users in their geographic location.