

Amayas Said Amer

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TECHNICAL SKILLS

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

Technologies: Linux, Git, Docker, PostgreSQL, MongoDB, MariaDB, Firebase, AWS (EC2, S3), React, Vue.js, Angular, Node.js

EDUCATION

BASc in Software Engineering (CO-OP), Engineering Management and Entrepreneurship Option

University of Ottawa

GPA: 8.8 / 10

2023

EXPERIENCE

Software Developer, Mainframe modernization

Alithya & Amazon Web Services

January 2024 - Present

- Corrected a modernized mainframe application to ensure functional equivalence with a legacy mainframe application
- Investigated differences in application logs and database state to resolve issues in the modernized application
- Technologies: Java, Spring, PostgreSQL, COBOL, AWS (EC2, S3, Mainframe Modernization)

Software Developer, 5G CU (CO-OP)

Dell Technologies

May 2022 - August 2022

- Upgraded 5G central unit test framework code base from Python 2 to Python 3
- Extended test framework functionality by integrating internal library for packet capture
- Supported other developers through test framework upgrade by writing documentation and guides
- Technologies: Python, PIP, Robot Framework, RHEL, yum

Software Developer, DNS (CO-OP)

Canadian Internet Registration Authority

May 2021 - August 2021

- Provided real-time insight into the Canadian DNS performance by building a web portal to visualize monitoring data
- Improved flexibility for clients by designing a GraphQL API to expose the monitoring database
- Consulted users to design a UI that conveys useful information on DNS performance
- Technologies: Vue.js, Google Charts, OpenLayers, Keycloak, Ansible, Nginx, GraphQL, Node.js, MariaDB

Software Developer, Network automation (CO-OP)

Nokia

September 2020 - December 2020

- Improved team productivity by automating configuration backup and initial provisioning of routers
- Reached a maximum number of users by porting scripts to both *Windows* and *Linux* operating systems
- Technologies: Python 3, Pexpect, Pyinstaller, SROS, SSH, CentOS

Software Developer, Web (CO-OP)

Ribbon Communications

January 2020 - May 2020

- Contributed to development of a web-based analytics platform for VoIP network data
- Allowed users to test a mail server configuration by creating UI components and an API endpoint to send test emails
- Improved user experience by allowing navigation when API calls were being performed
- Technologies: Angular, PrimeNG, REST, JWT, TypeScript, HTML, CSS, Java, Kubernetes, Swagger

PROJECTS

MapChat

Personal project

2023

Technologies: HTML, CSS, JavaScript, Firebase

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

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.