Amayas Said Amer

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TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML, CSS, C, C++, Go, SQL
Technologies: Git, Github, Linux (Ubuntu, RHEL), Ansible, Docker, PostgreSQL, MongoDB, MariaDB, SQLite, Firebase, AWS (EC2), Google Cloud (Cloud Run), Arduino, Raspberry Pi, Redis, React, VueJS, Angular, Jest, Robot Framework, NodeJS, Webpack, Vite, Express, Fiber, REST, GraphQL

EDUCATION

Bachelor's degree in Software Engineering, Engineering Management and Entrepreneurship Option
University of Ottawa   September 2018 - December 2022
GPA: 8.8 / 10

EXPERIENCE

5G gNodeB CU Developer (Internship)
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 (Internship)
Canadian Internet Registration Authority   May 2021 - August 2021

- Provided better insight into DNS infrastructure performance by building a web portal to visualize DNS monitoring data
- Designed a GraphQL API to expose the test result database
- Consulted future users to create charts that convey useful information on DNS performance
- Technologies: VueJS, PrimeVue, Google Charts, OpenLayers, Keycloak (auth), Ansible, Nginx, GraphQL, NodeJS (Express), MariaDB

Software and Automation Tools Developer (Internship)
Nokia   September 2020 - December 2020

- Improved team productivity by writing automation scripts for common configuration tasks on 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 (router operating system), SSH, CentOS

Software Developer (Internship)
Ribbon Communications   January 2020 - May 2020

- Helped fix bugs and implement new features on a web analytics platform
- Wrote and presented proposals for new features
- Helped troubleshoot issues related to infrastructure, build process and version control
- Technologies: Angular, PrimeNG, REST APIs, JWT, TypeScript, HTML, CSS, Java, Kubernetes, Swagger

Technical Analyst (Internship)
Royal Canadian Mounted Police   May 2019 - August 2019

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

PROJECTS

E-commerce website
School project   2022

Technologies: React, NodeJS, 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.

Call bell system
School project   2019

Technologies: Raspberry Pi, NodeJS, SQLite, HTML, JavaScript
A web application running on a Raspberry Pi router to respond to calls from wireless buttons in a hospital. Used by Patients to send notifications or requests to hospital volunteers.