Abdulaah Emin

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Linkedin Github



Embedded Software Engineer

Sep 2022-Aug 2023

Ciena, Kanata, ON

- Improved performance of the docker environment by upgrading from Red Hat linux 7.2 to Oracle Linux 7.9
- Converted 20 Perl scripts to Python
- Upgraded 5 open source packages to enhance security and performance, and ensure compatibility
- Troubleshoot bugs, crashes and solve them

Devops developer

May 2022-Aug 2022

IBM, Ottawa, ON

- Participate in developing Infrastructure as Code (IaC) templates using tools like Terraform.
- Contribute to maintaining a library of reusable IaC components, resulting in 2% faster provisioning times.
- Collaborate with the team to set up monitoring tools like Prometheus for proactive issue detection.
- Contribute to documentation of deployment processes, architecture, and best practices.

Automation developer

May 2021-Aug 2021

Dell, Ottawa, ON

- Collaborate with senior developers to create and enhance automated workflows using tools like RPA (Robotic Process Automation) and scripting languages.
- Aim to increase workflow efficiency by achieving a 30% reduction in manual intervention.
- Participating in daily stand-up meetings contribute to bi-weekly sprints, aiming for an average of 10 story points completed per sprint.
- Aim to complete a minimum of 3 coding tasks per week, maintaining a code quality score of at least 90% in peer reviews.

Back-end developer

SurveyMonkey, Ottawa, ON

- Write and review code contributions, aiming for a minimum of 95% code coverage in unit tests.
- Identify and resolve at least 15 bugs or issues in the back-end codebase during the internship.
- Achieve an average bug resolution time of under 48 hours to maintain efficient development cycles.
- Document at least 5 key back-end components, including APIs and data models, for knowledge sharing.

Teaching Assistant

Jan 2021-Apr 2023

Carleton University, Ottawa, ON

- Providing the professor with feedback related to student performance
- Holding office hours with students to review materials, answer general questions, and provide some assistance on assignments
- Assists teacher(s) with marking assignments, tests, midterms, and exams
- Monitor student progress and assist students in accomplishing established learning objective



BCS, Software Engineering

Jan 2019-Jun 2023

Carleton University, Ottawa, ON

- GPA: 11.43/12, (A+)
- Dean's Honour List (2020-2023)
- Hyman Soloway Scholarship (2020)

FRELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS

Technical Skills

- Fluent in Python,C, Java, JavaScript, React, Typescript, Vuejs, C++, C#, SQL, Html, Css, MongoDB, Express, Prolog, Lisp
- Working knowledge of the following systems Git, CLI, Docker, Jira, Jenkins, Kubernetes, Slack

Communication Skills

Fluent in French, English, Arabic, Turkish: oral, written, reading



Database design Jan 2021-Apr 2021

 Programmed SQLite3 to write database scripts & SQL stored procedures, functions and triggers

- Wrote and automated tools and scripts to increase query efficiency and automate repeatable tasks
- Manipulated files and their associated data for rapid delivery to clients or loading onto internal databases

Web Design Sep 2020-Dec 2020

- Programmed in Mongodb to design the database which stores data in the form of JSON to facilitate the code and make it more readable
- Programmed in Node.js as the server for the web page to serve pages and as the event handler, allowing asynchronous programming and caching
- Used PUG to make web pages out of data pulled from the database, this enables the website to be modular and easily scalable