

Atiq Islam

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EDUCATION

McMaster University

SEP 2018 – APR 2023

Bachelor of Engineering — Computer Engineering (Co-op)

Courses: Software Development (A+), Operating Systems (A+), Embedded Systems (A+), Computer Networks (A), Numerical Methods (A)

WORK EXPERIENCE

Software Engineer | Python, Bash, GIT, Jenkins, SQL, Bitbucket, JIRA, Confluence

JAN 2022 - AUG 2022

CGI Inc.

- Successfully led a team in deploying more than 12 microservices to 4 clients, leveraging Python, Bash scripts, and Jenkins pipelines, ensuring seamless integration and optimal performance of the services.
- Developed Python functions to automate SSH connections to over 14 servers using Putty, simplifying the deployment process and reducing manual intervention, leading to increased efficiency and time savings by over 15%.
- Utilized Oracle SQL Developer to write SQL scripts for parsing and debugging issues across 6 different tables, enabling efficient troubleshooting and effective resolution of data-related problems.
- Participated actively in code reviews and quality assurance activities, resulting in considerable cost and time savings estimated to be up to 3 hours each release.
- Acted as a key point of contact for clients, providing technical support, troubleshooting assistance, and timely resolutions to ensure a successful deployment, thus improving client satisfaction by 10%.

IT Infrastructure | Python, JavaScript, JQuery, Excel

SEP 2021 - DEC 2021

Innunco Academy

- Leveraged Python and Excel to architect and deploy customized automation solutions for file management, resulting in a remarkable increase in operational efficiency and productivity, saving approximately 30% in time spent.
- Updated 3 engaging course pages in WordPress CRM by developing JQuery functions and implementing HTML/CSS markup, delivering an intuitive user experience and seamless navigation for students and faculty members.
- Actively maintained and updated online systems, promptly addressed technical glitches or system failures, and provided timely resolutions to minimize disruptions and downtime, resulting in 6% increased client satisfaction.

PROJECTS

Bug Tracking Application | C#, .NET Core, JavaScript, JQuery, HTML5, CSS3, Bootstrap, SQL, GIT

MAY 2023

- Developed a robust full-stack web application to effectively track and manage project issues, resulting in improved collaboration and quicker issue resolution, saving at least 1 hour per project on issue resolution.
- Integrated maintainable C# models, views, and controllers to facilitate efficient data handling, user interactions, and business logic implementation for over 12 models and 20 interactable Razor pages.
- Implemented a secure and efficient database system using SQL, with 6 different relationships, ensuring seamless data storage and retrieval for tracking project issues and generating comprehensive reports.

Smart Security System | Python, Flask, HTML5, CSS3, Tailwind, Linux, Putty, GIT

MAR 2023

- Led the development of a smart security system project that encapsulated hardware, backend, and frontend aspects of engineering, utilizing a Raspberry Pi to capture live video feeds.
- Developed a robust backend utilizing a Flask server for handling 10 different routes and HTTP requests, with the added functionality of capturing and storing data for training models and adding new faces.
- Developed and implemented frontend components to create a user interface for displaying live video feeds, adding new faces, checking user history, and training the model.

SKILLS & OTHER

Languages: Python (NumPy, Pandas, Matplotlib), C#, C++, JavaScript, Databases (PostgreSQL, SQL, MongoDB), Bash, HTML5, CSS3, Java

Frameworks: .NET Core, React, Express, Node.js, Django, Flask

Tools: Docker, Jenkins, Git tools (Sourcetree, BitBucket, GitHub), JIRA, Confluence, Oracle SQL Developer, Putty