



CORE COMPETENCIES

- * **Languages and Frameworks:** C#, .NET, C/C++, JavaScript, Python, Java, HTML, CSS, React, SQL, Assembly (RISC-V)
- * **Tools and Technologies:** AWS, Docker, UNIX, Bash, Git, Jenkins, Selenium, Ansible, Elasticsearch, Blackduck
- * **Concepts:** Cloud computing, automation, pipelines, REST APIs, relational databases, agile, web scraping, OOP
- * **Skills:** Proactive learner, adaptive to new environments, clear communication with clients and colleagues

PROFESSIONAL EXPERIENCE

Full-stack Developer Intern

May 2019 – Aug 2019

Genesys, Markham ON, Canada

- * Developed AWS RDS microservice with serverless lambda functions to simplify the architecture with CloudFormation
- * Wrote several Ansible scripts, Jenkinsfiles, and Dockerfiles to automate deployment, reducing manual workload
- * Configured and queried Elasticsearch in ECS and EC2 instances in accordance to FedRAMP standards
- * Engaged in help for collaboration hour, presented my progress for demos, and heightened morale during retros

Software Developer

Sep 2018 – Dec 2018

Nielsen, Markham ON, Canada

- * Developed a utility in C# that cleans data using metadata in Oracle, improving efficiency from a day to 10 minutes
- * Used C# and Selenium to scrape flyers from major retailers to reduce manual workload from half a day to 5 minutes
- * Filtered and cleaned large datasets stored in SQL Server and Oracle, returning a compact CSV within 5 minutes
- * Collaborated with different departments to produce applications that fit their requirements quickly and accurately

System Developer

Jan 2018 – Apr 2018

Morneau Shepell, Markham ON, Canada

- * Developed an integration application that syncs defect data from HP ALM to Microsoft VSTS using C#, .NET Core 2.0, REST APIs and a 3-way merging algorithm to allow smoother agile scrum meetings
- * Designed UI POCs using Bootstrap, Angular 5, and ASP.NET Core that successfully illustrated a new syncing interface

PROJECTS

Portfolio Site * Gatsby.js, React, JavaScript, GraphQL, HTML

Feb 2018 – present

- * Using a static site generator, developed a blazing fast portfolio site to illustrate my achievements and notes
- * Attained a deep understanding in responsive web development, GraphQL and React components

Chat Server * Python

Oct 2018

- * Developed a local chatroom that allows users to broadcast messages to each other over the same network
- * Gained insight on key networking concepts such as protocols, TCP/IP, sockets, client-server model, and addressing

Fitbit Reaction Test * JavaScript, React, JSX, SVG, CSS

Jul 2019

- * Developed a Fitbit wearable application that measures reaction time in response to a sudden colour change
- * Experienced the full software development cycle from design, implementation, and simulation to the final product

EDUCATION

University of Waterloo

Sep 2017 – Apr 2022 (expected)

Candidate of Bachelors of Applied Science (Computer Engineering)

Undergraduate Research Assistantship * Video Snapshot Acquisition System

Sep 2019 – present

- * Process video snapshots using convolution neural networks (CNN) and FPGA programming