

Mark Branton

<https://markbranton1999.github.io/website>
<https://www.linkedin.com/in/mark-branton-54b509175/>
<https://github.com/MarkBranton1999/>

Email: markbranton99@gmail.com

Mobile: +1-709-282-4210

547 Belmont Ave W, Unit 605, Kitchener, ON, N2M 5G9

TECHNICAL SKILLS

Languages: Bash, CSS, C#, Golang, HTML, Java, JavaScript, PHP, PowerShell, Python, SQL, TypeScript, YAML

Technologies: AWS, AngularJS, Azure, Chai, Docker, DynamoDB, ExpressJS, Git, JQuery, Kubernetes, Mocha, MongoDB, NextJS, NodeJS, PyTorch, React, Selenium, TensorFlow

EDUCATION

University of Waterloo

Bachelor of Applied Science in Computer Engineering

Sept. 2017 – Apr. 2022

Waterloo, ON

EXPERIENCE

Brock Solutions

Software Developer

May 2022 - Present

Kitchener, ON

- Utilized Java to implement a complete overhaul of a front-end interface used by over 100,000 daily customers.
- Developed, coordinated, and deployed several upgrades to a live production environment used by over 10,000 users daily.
- Engineered a feature that added over \$500,000 in profit value for a client.
- Upgraded over ten C# web services and deployed them to a Microsoft Azure cloud environment.
- Developed multiple SQL databases used to handle large amounts of flight data.
- Independently documented the entirety of a significant three phase cloud migration plan.
- Onboarded multiple new team members into an ongoing project.
- Worked closely with clients to add maximum value to projects.

Department of Mechanical and Mechatronics Engineering, University of Waterloo

Full Stack Software Developer

Sept 2021 - Dec 2021

Waterloo, ON

- Designed and executed an AngularJS front end implementation for an internal platform used by over 25 courses.
- Implemented a C# back end and created a SQL database for the same internal platform.

PepperData

Backend Developer

Sept 2020 - Dec 2020

Sunnyvale, CA, USA

- Led a machine learning and GPU metrics monitoring project in Kubernetes from start to finish.
- Eliminated wasteful GPU usage and reduced related cloud costs by up to 40%.
- Wrote over 50 pages of extensive documentation.
- Created and presented weekly design presentations.

Intrigue Media

Full Stack JavaScript Developer

Jan 2020 - Apr 2020

Guelph, ON

- Implemented several high value features and critical bug fixes using a JavaScript, React, ExpressJS, and MongoDB tech stack.
- Collaborated extensively with users to identify pain points and improve the user experience, reducing negative user feedback by 66%.
- Utilized Scrum Agile Methodologies such as Daily Scrum, Sprint Planning, Sprint Retrospectives, etc.

Validus Re.

QA Analyst

May 2019 - Aug 2019

Waterloo, ON

- Fully automated front end testing for a large application with Python and Selenium, reducing the testing period for new releases by over 50%.
- Automated testing for over 300 REST APIs using TypeScript with Mocha and Chai frameworks.
- Performed extensive regression testing involving several hundred tests.
- Assisted in managing the release of five new software updates.

PROJECTS

- SimpleShop App:** Simple shop application with user login and a shopping cart service. [Front end built in React](#), [back end built in ExpressJS](#), [SQL database](#).
- OpenCal:** [A calendar application with a meeting scheduling assistant](#). Built with NextJS, Golang, DynamoDB and hosted in AWS.