

# Quang-Tri Do

SOFTWARE ENGINEER

OTTAWA, ON

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## Work Experience

### Software Developer @ Distributel

Ottawa, ON

C#, .NET, ASP.NET, JAVA, DOCKER, RANCHER, ELASTICSEARCH

Feb. 2020 - Present

- Implemented features and bugfixes in C# for Distributel's flagship application used by thousands of clients
- Collaborated on a major redesign of switch provisioning which replaced outdated internal applications and simplified system architecture
- Promoted the introduction of modern build and deployment practices such as containerization, centralized logging, and CI/CD pipeline
- System owner of three internal applications, handling bugfixes and support for each application
- Composed unit tests for over 40 REST endpoints using C# and xUnit

### Software Developer (CO-OP) @ BlueWave-ai

Ottawa, ON

PYTHON, GO, DOCKER, MICROSOFT AZURE, RESTFUL APIS

May 2019 - Nov. 2019

- Developed backend services consisting of distributed systems, datastores, and fault tolerance in Python and Go
- Designed data collection service with high availability, fault monitoring, and log rotation with expected availability of 95%
- Implemented Azure Edge module used to interface with a city's SCADA system, as well as being integrated with our configuration model
- Collaborated in the development of REST API written in Go covering over 40 endpoints
- Validated and wrote unit tests for backend services written in Go and Python with code coverage of over 90% of the REST API's endpoints

### Testing Automation Tools Developer @ Ford Motor Company

Ottawa, ON

PYTHON

May. 2018 - Apr. 2018

- Expanded automated test execution and results analysis, tripling the number of tests executed
- Maintained automated test framework, tools, and test scripts using Python
- Tripled the number of test infotainment systems in their lab environment
- Interfaced with development and engineering teams to identify issues and validate fixes

### Java Developer @ Canada Revenue Agency

Ottawa, ON

JAVA, FITNESSE

Sept. 2017 - Dec. 2017

- Interfaced with development and engineering teams to identify issues and validate fixes
- Developed features for user stories to fix issues in a large-scale Java application consisting of 3 teams
- Designed acceptance tests using the FitNesse framework

## Education

### University of Ottawa

Ottawa, ON

BASc IN SOFTWARE ENGINEERING

Sept. 2015 - Dec. 2019

- Graduated *Magna Cum Laude*

## Extracurricular Activity

### Automify - 2nd Place @ Hacking the Future of Work

HTML, CSS, JAVASCRIPT

- Chrome web extension that gives insight, using a provided data-set, on the potential of automating a job in the future.
- Industry specialists and stakeholders nominated our group to present our project to the Trilateral Commission.

### Pocket Space @ Hack the North 2019

REACT, NODEJS

- Web application to display a customizable profile page in augmented reality through a phone's camera, similar to Myspace
- Built in 48 hours

## Skills

**Languages** C#, Python, Java, HTML/CSS, Golang, Javascript

**Frameworks** Microsoft .Net, ASP.Net, Bootstrap, React, JQuery

**Tools and Technologies** Docker, Kubernetes, Rancher, Jenkins, MySQL/Postgres, Microsoft Azure, Tomcat, Elasticsearch, Google Cloud Platform