

TIMOTHY FAGU

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SKILLS

Programming : Python, C#, Java, JavaScript, Groovy, React, Angular, SQL

CI/CD : Jenkins, Docker, Ansible, Prometheus, SonarQube, UrbanCode Deploy, Nexus

Enterprise Software : Jira, ServiceNow, Elasticsearch, Apache ActiveMQ, Dynatrace, Delphix, Kerberos

EXPERIENCE

DevOps Engineer

Dec 2020 - Current

Ontario Teachers' Pension Plan

Toronto, ON

- Designed and implemented a fully automated Continuous Deployment pipeline that reduced our mean time to production by 9 days, saving 15+ person-hours per deployment and increased metric accuracy (This project spanned 5 teams and won the Teachers' 'Innovation Challenge 3.0')
- Developed and own Python libraries with $\geq 90\%$ code coverage that enable 100+ Teachers' developers to build, test, and deploy code quickly and securely
- Piloted project for automated production changes - reducing mean delivery time by 5 days, using Python, ServiceNow, Jenkins and Ansible
- On-call production support - resolved critical production CI/CD issues to ensure Teachers' services stay highly available
- Mentoring junior engineers and interns on DevOps patterns as well as partaking in code-reviews

Software Developer Intern

Apr 2019 - Aug 2020

Ontario Teachers' Pension Plan

Toronto, ON

- Developed .NET Core Messaging Queue API (Apache ActiveMQ), used by 100+ developers
- Developed various .NET APIs for OTTP's Open-Source initiative to standardize how internal services interact with external services
- Implemented NLP based search & auto-complete for in-house D&A framework using Python and spaCy
- Piloted POC for Windows-Linux Kerberos Authentication for Docker containerization (results were used in a risk simulation project that won the 'Innovation Award')

Certified **TRIEC** Mentor

Aug 2021 - Current

Toronto Regional Immigrant Employment Council

PROJECTS

ShakePay Bot. Published a bot that handles automated transaction swapping for advancing through the [ShakePay waitlist](#). Built using Python, CharlesProxy, and various third-party API's. This bot was actively used by the community, and maintained by me.

TempPass Chrome Extension. Built a chrome extension that generates temp emails on the fly using an open source Email Server and the MEAN stack.

Handwritten Digits Classifier. Built python application capable of labelling handwritten digit images with up to 97% accuracy using Python, sklearn, numpy and matplotlib. The following algorithms were implemented: Multi-layer Perceptron, Support Vector Machine, AdaBoost, k-Nearest Neighbors.

EDUCATION

Honours Bachelor of Science, University of Toronto

Relevant Coursework: Software Design, Data Structures & Algo's, Machine Learning, Applied Regression Analysis