TIMOTHY FAGU

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SKILLS

Programming : Python, C#, Java, JavaScript, Groovy, Angular, SQL
CI/CD : Jenkins, Docker, Ansible, Bamboo, 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 scripts with $\geq 90\%$ code coverage that enable 250+ Teachers' developers to build, test, and deploy code quickly and securely
- Significantly upgraded legacy Groovy Continuous Integration scripts to asynchronous Python scripts resulting in $\geq 95\%$ performance increases (20mins $\rightarrow$ 1min) using Python, asyncio and various REST APIs
- Developed and maintain dockerized build and deploy pipelines for .NET/.NET Core/Java/Python applications resulting in fewer build errors and higher deployment scalability
- 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 250+ developers
- Developed various .NET APIs for OTPP'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. Deep Neural Nets and k-Nearest Neighbors were used.

EDUCATION

Honours Bachelor of Science, University of Toronto
Relevant Coursework: Software Design, Data Structures & Algo's, Machine Learning, Applied Regression Analysis