Connor Finnell

contact@connorfinnell.com

Experience

DevOps Engineer at **Cigna Healthcare** | *Current employment as of July 2018*

Cigna's technical ecosystem is a diverse landscape of technologies including data transformation, web development, privacy and security tools, mobile app integrations, and much more - as a member of Cigna's DevOps team, my responsibilities have included:

- Regularly working in an Agile method to rapidly iterate on product defects and functionality to deliver on platform SLAs
- Designing and developing a performance testing automation platform, including pass/fail metric verification and heavy audit trail requirements (Jenkins, Python, REST APIs, Elasticsearch, Openshift/Kubernetes)
- Developing a config-driven automated build/test/deploy pipeline from customer/user needs and feedback to radically reduce the automation burden for individual application teams (Jenkins Shared Library DSL, Groovy, Openshift/Kubernetes)
- Deploying and configuring developer analytic tools in AWS (CloudFormation, RDS, EC2, ELB, Route53)

In addition to this work, I have also been a member of Cigna's Technical Early Career Development Program (TECDP), a member-driven program that provides additional resources and pathways for education and community participation. My contributions and participation include:

- Acting as Technical Lead for two Code-A-Thon events to ensure fair and working access to internal services, which included being primary technical support and designing/developing repository access automation
- Leading technical training sessions on containerization technology and AWS Lambda usage to educate developers on forward-facing technologies
- Designing and developing CI/CD pipelines for the program's internal websites and services to minimize downtime and maximise developer effectiveness (Jenkins, Ansible, GitLab CI)

News Content Software Engineer at **FactSet Research Systems Inc.** | *July 2016 - April 2018*

The FactSet workstation functions as productivity software for financial professionals. It primarily relies on two streams of data: live price quotes of stocks, and news documents from a wide variety of sources. My role directly related to news data, where I was responsible for development and maintenance of processes involved with vendor document ingestion. This included:

- Communicating directly with vendor engineering staff to collect requirements and coordinate expectations
- Developing processes to properly normalize vendor data or consistent usage in the platform (Python, C++, Bash)
- Monitoring and validating normalization, categorization (value-add), and distribution/storage of vendor data (MySQL, Elasticsearch)
- Refactoring older vendor feeds (i.e. Nasdaq Nordic) to utilize the current microservice architecture, deprecating monolithic document parsers
- Performing week long shifts of 'On Call' duties to ensure that documents for 200+ document pipelines complete without undocumented failure, ensuring isses are addressed and corrected in the most timely manner possible
- Completing development and integration of ETF Analytic Reports as a news feed
- Benchmarking our C++ services against a Golang implementation to help project future technology decision making

Software Engineering Internship at **Google Inc.** | *Summer 2015*

Improved a multi-node network testing application through feature additions and refactoring. This included implementation of experimental communication protocols and a focus on robust multithreaded design, as well as low-level libraries for interfacing with distributed Remote Direct Memory Access (RDMA). (C++)

Education

Rensselaer Polytechnic Institute | *Class of May 2016*

Bachelor of Science in Computer and Systems Engineering | GPA: 3.26

Nanyang Technological University, Singapore | *Fall 2014*

Certifications

AWS Certified Solutions Architect - Associate | *May 2019 - May 2022*
Certified Cloudbees Jenkins Engineer (CCJE) | *November 2019*

Technical Skills

Languages: **Python, C++, Jenkins Pipeline DSL (Groovy)**
Tools: **Bash utils, ViM, RHEL, Containers, Kubernetes, Openshift, Helm, Ansible, Jenkins, Gitlab CI, AWS**
Methods: **Microservices, SemVer, Agile Development, REST APIs, Everything as Code, Automate Everything**

Honors

Eagle Scout with Troop 97 in Fort Collins, CO | *December 2011*