

RELEVANT EXPERIENCE & PROJECTS

Review Board's Notification Bot (Oct 2016 – current): Chat Bot | VirtualBox. Ansible. Vagrant. Docker.

- ✓ Modified Ansible playbook to automate dependencies setup on Windows.
- ✓ Set up development web server in Ubuntu through Vagrant.
- ✓ Developed a bot that relays Review Board's notifications to Skype, leveraging Microsoft Bot Framework.
- ✓ Deployed bot to Azure as a Web App on Linux using bot's Docker image.

Mobile & Web Developer, Flynn Inc.

May – Sep 2017

DSS Viewer: A web application that allows employees to search, view and download emails, documents, technical drawings, images stored in Azure Blob Storage. This application is expected to replace a legacy desktop file viewer, and will serve 5000+ employees in all Canadian and US offices.

- ✓ Composed and deployed UI tests to CircleCI that gets executed in Firebase Test Lab on 50 different devices.
- ✓ Composed a shell script that builds DSS Viewer locally and deploys to Azure App Service.
- ✓ Set up DSS Viewer's CI pipeline with Visual Studio Team Services and Github.
Extra: Composed a script that download and decrypt PDF paystubs, leveraging Gmail API and qpdf;
Built an internal tool that generates custom code coverage report for C# code, leveraging OpenCover;
Result: Saved ~5 hours per week and ~\$18,000 CAD in software license, respectively.

Meally Quizzly (Oct 2016 – Apr 2017): Mobile App | Android SDK. Java. SQLite.

- ✓ Developed a mobile app that captures photos of meals and generates quizzes to users.
- ✓ Set up CI pipeline with Travis CI and Github.

Unix Shell Programmer, FundSERV Inc.

Jan – Apr 2016

Ops Portal: Designed and implemented a reporting system that provides accurate and up-to-date server information for 40+ engineers on a daily basis. As of May 2017, the system has served more than 95% of FundSERV's IT staffs.

- ✓ Designed a system to extract information from UNIX-based (Ubuntu, Solaris, CentOS) servers.
- ✓ Assisted in replicating data collection system, which aggregates and re-distributes data among 300 virtual and physical machines, and deployed to a backup Solaris server.
- ✓ Composed bash scripts to automate report generation and schedule job with crontab.
- ✓ Prototyped Ops Portal's cross-browser UI and navigation with React and Bootstrap.

OTHER EXPERIENCE & PROJECTS

VideoNail (Feb 2017 – May 2017): Chrome Extension | Javascript.

- ✓ Developed an extension that allows videos to stay on top when users scroll to the comment section.
- ✓ Served 25+ users, rated 5 stars on Chrome Web Store.

GingerRewards (Jan 2016 – Apr 2016): Web application | Azure. JDBC. MySQL. Vagrant. Spring MVC.

- ✓ Developed and deployed an online loyalty program for Ginger Restaurant.
- ✓ Prototyped UI with authentication for the restaurant manager and staffs to input point transactions.
- ✓ Designed users and transactional databases' schema.
- ✓ Improved codebase through rigorous review process using Review Board and Git.

EDUCATION & TECHNICAL SKILLS

Bachelor of Computer Science (Co-op, 2B), University of Waterloo

Sep 2015 – current

Technical Skills:

- ✓ Languages: Languages: Java, Node.js, Python, C/C++
- ✓ Tools: VirtualBox, Vagrant, Ansible, Docker.
- ✓ Services: Visual Studio Team Services, CircleCI, Github.