

EMPLOYMENT

Mobile & Web Developer, Flynn Inc.

May – Sep 2017

DSS Viewer: An 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.

- ✓ Implemented file preview feature for Field Service Android app.
- ✓ Developed Node.js backend, accessing +400k files stored in Azure Blob Storage and metadata in SQL Server.
- ✓ Implemented file and search result caching to reduce file conversion credits usage with Azure Redis Cache.
- ✓ Prototyped web interface with single sign-on, social login, and session storage with Auth0 and Redis Store.
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.

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 20+ system engineers, administrators, and network specialists 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 disk information from UNIX-based (Solaris, Linux, and CentOS) servers.
- ✓ Assisted in replicating data collection system, which aggregates and re-distributes data among 300 virtual and physical machines, and deploying 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.

PROJECTS

Drink My Pebble (Sep 2017 – Hack the North): Mobile App | Android SDK. Java.

- ✓ Developed an Android app that keeps track of drink counts, which derives from Pebble watch's accelerometer, and order an Uber when appropriate by sending POST request to an AWS-hosted backend.

Meally Quizzy (Oct 2016 – Apr 2017): Mobile App | Android SDK. Firebase. Google Cloud Storage.

- ✓ Developed an Android app that captures photos of meals and generates quizzes to users.
- ✓ Implemented user authentication with Firebase.
- ✓ Implemented photo storage with Google Cloud Storage.

Video Nail (Feb 2017 – current): Chrome Extension | Javascript.

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

Ginger Rewards (Jan 2016 – Apr 2016): Web App | 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.

TECHNICAL EXPERIENCE

- ✓ Languages: Java, Node.js, Python, C/C++
- ✓ Frameworks/SDKs: Android SDK, Bootstrap, React
- ✓ Database: MySQL, DynamoDB, Firebase

EDUCATION

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

Sep 2015 – current