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| <https://github.com/pdtran3k6>  [www.linkedin.com/in/phatdtran3k6](http://www.linkedin.com/in/phatdtran3k6) | **PHAT D. TRAN** | (647) 607-4207  [pdtran@edu.uwaterloo.ca](mailto:pdtran@edu.uwaterloo.ca) |

**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**