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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) |

**Relevant Experience & Projects For Backend Development**

**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 application, and will serve 5000+ employees in all Canada and US offices.*

* Implemented single sign-on, social login, and session storage with Auth0 and Redis Store.
* Developed single-paged application that search for +400,000 files in Azure Blob Storage from metadata in Microsoft SQL server database using React and Nodejs.
* Implemented file display supporting +110 different file types with Box API and Convert API.
* Implemented file and search result caching to improve page performance and reduce conversion credits usage with Azure Redis Cache.

**MealTracker** (Oct 2016 – Apr 2017): Mobile application | Android SDK. Java. Firebase. Google Cloud Storage.

* Developed a mobile app that captures photos of meals and generates quizzes to users.
* Implemented user authentication with Firebase.
* Implemented photo storage with Google Cloud Storage.

**VideoNail** (Feb 2017 – current): 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.

**Other Experience & Projects**

**Unix Shell Programmer, fundserv Jan – Apr 2016**

*Ops Portal: Designed and implemented a reporting system that provides accurate and up-to-date server information for 40+ engineers at fundserv on a daily basis. As of May 2017, the system has served more than 90% of fundserv IT staffs.*

* Designed a system to extract 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.
* Prototyped Ops Portal’s cross-browser UI and navigation with Bootstrap.
* Wrote scripts to automate report generation, which users can access through the Ops Portal website.

**Education & Technical Skills**

**Bachelor of Computer Science (Co-op, 2B), University of Waterloo Sep 2015 – current**

* Average 2A: 73.4%
* University of Waterloo President’s Scholarship of Distinction (2015):95%+ admission average

**Technical Skills:**

* Back end: Node.js, Python, Java
* Front end: HTML & CSS, Bootstrap, React
* Database: MySQL, NoSQL
* Tools: Visual Studio Code, Android Studio, Github

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**Relevant Experience & Projects For Production Engineering**

**ReviewBoardNotificationBot** (Oct 2016 – current): Chat bot | VirtualBox. Ansible. Vagrant. Docker.

* Modified Ansible playbook to automate dependencies setup on Windows.
* Supervised Django’s 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 application, and will be used internally by 5000+ employees in all Canada and US offices.*

* Composed and deployed UI tests to CircleCI that gets executed in Firebase Test Lab.
* Built tool that generates custom code coverage report for specific files, leveraging OpenCover.
* Composed a shell script that builds DSS Viewer locally and deploys to Azure.
* Set up DSS Viewer’s CI pipeline with Visual Studio Team Services and Github.

**MealTracker** (Oct 2016 – Apr 2017): Mobile application | Android SDK. Java. SQLite.

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

**Unix Shell Programmer, fundserv Jan – Apr 2016**

*Ops Portal: Designed and implemented a reporting system that provides accurate and up-to-date server information for 40+ engineers at fundserv on a daily basis. As of May 2017, the system has served more than 95% of fundserv 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.
* Wrote bash scripts to automate report generation, which users can access through the Ops Portal website.

**Other Experience & Projects**

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

* Developed an extension that allows videos to stay on top when users scroll to the comment section.
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* University of Waterloo President’s Scholarship of Distinction (2015):95%+ admission average

**Technical Skills:**

* Tools: VirtualBox, Vagrant, Ansible, Docker.
* Services: Visual Studio Team Services, CircleCI, Github.