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PHAT D. TRAN

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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.

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- ✓ Services: Visual Studio Team Services, CircleCI, Github.