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EMPLOYMENT

Full Stack 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.

- ✓ Implemented single sign-on, social login, and session storage with Auth0 and Redis Store.
- ✓ Developed single-paged application with React and Node that search for +400,000 files stored in distributed storage system (Microsoft SQL Server and Azure Blob Storage).
- ✓ Implemented file display in browser, supporting +110 file types with Box API and Convert API.
- ✓ Implemented file and search result caching to reduce file conversion credits usage with Azure Redis Cache.
- ✓ Built internal tool that generates custom code coverage report for specific files, leveraging OpenCover.

Systems Engineer, fundserv   **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 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 vital 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 HTML/CSS and Bootstrap.

TECHNICAL EXPERIENCE

- ✓ Back end: Nodejs, Python, Java, C#, C/C++
- ✓ Front end: HTML & CSS, Bootstrap, React
- ✓ Database: MySQL, NoSQL
- ✓ Tools: Visual Studio Code, Android Studio, Github

EDUCATION

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

PROJECTS

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

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

VideoNail (Feb 2017 – May 2017): 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.

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.