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Summary of Qualifications

Node.js, C++, Bash, Elixir

Education

Bachelor of Computer Science (Co-op, 3A), University of Waterloo   **2015 – 2020 (expected)**

Employment

Software Engineering (Metrics) Intern, Genesys   **Jan – Apr 2018**

Project Monitoring: A comprehensive application that allows upper management to keep track of the status of a project with build logs from Jenkins, task completion dates from JIRA, and code quality report from Sonar.

- Optimized JIRA's data exporting process, reducing processing time per request by 25%.
- Refactored memory management flow in Node.js backend, reducing memory usage by ~20%.
- Implemented in-memory, AES-256-encrypted credentials store, removing security vulnerabilities.
- Implemented streaming feature for a meeting summary generator, reducing setup time by 75%.

Software Engineering Intern, Flynn Group of Companies   **May – Sep 2017**

DSS Viewer: An application that allows ~3000 architects and engineers to access, view, search and download emails, documents, technical drawings, images anytime across Canada and US.

- Built an internal tool that generates custom code coverage report for C# code, leveraging OpenCover, saving ~5 hours per week and ~$18,000 CAD in software license.
- Implemented file and search result caching, reducing conversion credits usage.
- Wrote scripts to automate build-deploy process, saving ~2 minutes per release.

System Engineering Intern, Fundserv Inc.   **Jan – Apr 2016**

Ops Portal: A reporting system that provides accurate and up-to-date server information.

- Designed a fail-resistant, distributed data-collecting system that extracts metadata from 300 servers.
- Developed a web dashboard displaying on multiple monitors, increasing productivity of 50+ system engineers and network specialists.

Projects

VideoNail (Feb 2017 – May 2018): *A Chrome extension that lets users watch YouTube videos on any site.*

- Modified player creation algorithm, reducing initial loading time by ~2 seconds.
- Led development team with proper, strict development process; leading to a +10x increase in users with an average rating of 4.5 stars on Chrome Web Store as of May 2018.

Drink My Pebble (Sep 2017 – Hack the North): *A mobile app that calls Uber when user is drunk.*

- Developed an Android app that gathers data from Pebble watch's accelerometer and send requests to a backend developed by teammates.

Frec (May 2018 – current): *An app that suggests new friends/dates with similar interests and behaviors through machine learning.*