

GAVIN JAEGER-FREEBORN

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📄 [Gavin Jaeger-Freeborn](#)

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EDUCATION

University of Victoria
B.S Software Engineering

Victoria, BC
September 2017-2023

EXPERIENCE

Quartech

Software Developer CO-OP

Victoria, BC
May 2023-Present

Develop Configuration API (Python) 🔗

→ Expand the functionality of an existing webservice to monitor Webhooks and utilize a REST based API for updating the apps configuration at runtime

Implement Tutorial System for OCA Explorer (TypeScript & React) 🔗

→ Integrate a new tutorial system for non technical in an existing React Application

Nokia

Software Developer In Testing

Ottawa, ON
September 2021-May 2022

Service Starter (Common Lisp)

→ A server that provided a REST API as well as browser based GUI utilizing WebSockets for monitoring, restarting, and stopping services.

End To End Testing Framework (TypeScript)

→ Add support for asynchronous HTTP responses from multiple remote services and reverse engineer services to create request templates. Doubled the possible testcase coverage.

Multiple Part SMS Support (Java)

→ Correct the support for multi-part SMS messages sent to a device.

PROJECTS

StrokeMonitor (C++) 🔗

Embedded stroke rate, speed, and distance monitor for canoes and kayaks.

Filesystem-Emu (Java) 🔗

An emulation of a FAT-based filesystem in Java.

YALL Scheme Interpreter (C++) 🔗

YALL is a simple and extensible Scheme (lisp) dialect written in C++

HTML to CSV (Python) 🔗

A python script that converts HTML5 tables into a CSV.

TECHNICAL SKILLS

Programming Languages

Java, C++, Python, TypeScript, Bash, Common Lisp, Clojure, and ClojureScript

Frameworks and Databases

Agile, Selenium, CRUD, JUnit, Jest, Mockito, React, Postgres, and SQLite

Tools

Git, Linux, Jenkins, Docker, docker-compose, Kubernetes, Jira, Gradle, CMake, Maven, NodeJS, GNU Make, Vim, Gitlab, Github, Wireshark, and GDB

EXTRACURRICULAR ACTIVITIES

Sprint Canoe Athlete & Coach

→ Member of the Canadian Junior National Team (2015)
→ Multiple Time National Medalist (2016-2019)

Calgary, AB
May 2005-Present

YouTube Tutorials

→ Creating tutorials on programming, Linux and productivity.
→ With Over 450,000 views.

September 2020-Present

References available upon request.