

# Geoff Lorne

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## SKILLS

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**Languages:** TypeScript, JavaScript, HTML, CSS, SQL, GraphQL.

**Tools and Frameworks:** Git, JIRA, IntelliJ, AWS, Azure, Node.js, React, KnockoutJS.

## WORK EXPERIENCE

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**Energy Toolbase**, Remote – Software Developer. Sept 2020 – Present

Full stack developer working on a solar and energy storage modeling platform. Worked closely with product and design teams to revamp UI/UX pieces of a single page React web app. Collaborated with other engineering teams during the implementation of Node.js REST services. Discovered and removed CPU bottleneck from REST service which improved response time by several seconds. Quickly adapted to new tech stacks when working with different teams.

**Varsity Tutors**, Victoria, BC – Junior Software Engineer. May 2019 – Apr 2020

Full stack engineer on the marketing team. A/B tested UX improvements to a lead form that led to a 4% increase in sales conversion rate for a tutoring product. Owned and maintained multiple services for Veritas Prep, Varsity's college exam prep subsidiary. Built an online classroom that hosted live exam prep classes for hundreds of concurrent students.

**Highway Three Solutions**, Victoria, BC – Web Developer (Co-op). Apr 2018 – Aug 2018

Developed front end features for a digital asset management system. Utilized Redux to centralize application state and improve communication between angular components.

**Nokia**, Kanata, ON – Software Designer (Co-op). Jan 2017 – Apr 2017

Worked closely with QA testers to fix front end bugs in Nokia's Network Services Platform. Refactored Jersey REST endpoints to utilize SpringMVC.

**University of Victoria McPherson Library**, Victoria, BC – Web Application Developer (Co-op). May 2016 – Aug 2016

Utilized Google Maps API and Sketchfab API to display 3D scans of fossils on an interactive map as part of the Ian McTaggart Cowan digital exhibit.

## PROJECTS

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**Moonshot Trading - Distributed Systems Course Project.** 1/18 – 4/18

A distributed stock trading system that could handle over 1000 concurrent users and process over 10000 trades per second. Designed and developed Go services to perform business logic and maintain a log of transactions. Optimized database queries and configuration to alleviate disk bottlenecks.

**Antidose - Capstone Project.** 5/17 – 8/17

An Android application to alert naloxone kit carriers to nearby opioid overdoses. Awarded "Best Software Project" and "Runner Up" 2017 Design Project Award IEEE Victoria. Designed and implemented database schema. Developed REST endpoints in Golang.

## EDUCATION

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**University of Victoria**, Victoria, BC - Bachelor of Software Engineering. 8/13 – 12/18