

# GIAVINH LAM

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## Skills

- **Frontend:** JavaScript | TypeScript | React | Redux | Vue.js | HTML | CSS | React Testing Library | Jest | styled-components | Storybook
- **Backend:** Java (Java Spring Boot) | Node.js (Express, AdonisJS) | GraphQL | REST | Sequelize | SQL | JUnit | Mockito | Ava
- **Other:** Git | GitHub | AWS | Docker | GitHub Actions | MySQL | PostgreSQL | NoSQL (MongoDB) | OOP | CI/CD | UI/UX Design | Agile

## Experience

### Software Developer II

#### Vena Solutions

Sep 2021 – Present

- Managed a Java Spring Boot and MySQL microservice which managed prospects' tenants via communication with other backend services, background workers, and integrating with third-party system (E.g., HubSpot & Pendo) webhooks and APIs
- Launched a performant financial planning webapp using React, TypeScript, React Query, AWS S3, and styled-components
- Powered user behavior analytics, created engaging interactive product walkthroughs, and conducted A/B testing with Pendo resulting in customer deals closing faster
- Automated manual user-experience testing processes by integrating daily cron jobs with e2e testing through Selenium & WinAppDriver

### Software Engineer

#### Advisor

Oct 2020 – Sep 2021

- Worked on a variety of different projects using technologies such as React (TypeScript), Node.js (TypeScript), Vue.js, AngularJS, styled-components, Storybook, SASS, i18next (internationalization), GraphQL, MongoDB, MariaDB, Sequelize, Ava, AWS, and CircleCI
- Designed and released key business features like in-app messaging (w/ GetStream), an insurance market platform with payment integration through Stripe, b2c messaging with Intercom, and a data migration microservice using AWS (specifically AWS Lambda)
- Parallelized API requests resulting in improved performance of various features by 25-50%

### Software Developer Co-op

#### NCR

Apr 2019 – Dec 2019

- Implemented features and fixed bugs in NCR's Passport product using Java, XML/XSD, Maven, JUnit, and SQL
- Mobile app development using AngularJS, Cordova, and Jasmine to develop the flow for fingerprint authentication
- Developed an accessible and responsive frontend of a greenfield project using ReactJS, MaterialUI, React Testing Library, and Jest
- Led a modern prototype of an enterprise NCR product using ReactJS, MaterialUI, and Node.js for NCR's Global Hackathon ([video](#))

### Software Developer Co-op

#### GroupBy Inc.

May 2018 – Aug 2018

- Produced e-commerce demo web applications using TDD and frontend web technologies like HTML, SCSS, JavaScript, and Riot.js
- Writing scripts for ETL processes and automating tasks (E.g., generating JSON data) through Java & web scraping (HtmlUnit & jsoup)
  - Scripts reduced the manual labor for one task by 25 minutes (83% reduction in time) allowing developers to focus on more critical work

### Java Learning Assistant Co-op

#### Sheridan College

Jan 2018 – April 2018

- Led collaborative study sessions (E.g., tutorials, labs...etc.) and mentored students in subjects such as Java, C, and web development

## Education

### University of Guelph

Guelph, Ontario, Canada

Sep 2015 – Apr 2020

Bachelor of Engineering in Computer Engineering (GPA 3.5)

### AWS Certified Cloud Practitioner

Nov 2021

## Side Projects

### GymTrack (platform for tracking fitness/exercise)

[github.com/GV79/GymTrack](https://github.com/GV79/GymTrack)

- Frontend webapp written using React, TypeScript, Redux Toolkit, RTK Query (data fetching and mutating logic), and Mantine (UI library)
- Backend REST API powered by Java Spring Boot, PostgreSQL, and Google Firebase for authentication
- Published a React.js & TypeScript body model component as an open-source NPM package ([github.com/GV79/react-body-highlighter](https://github.com/GV79/react-body-highlighter))

### Plop (project management tool for teams)

[github.com/GV79/Plop](https://github.com/GV79/Plop)

- Containerized frontend and backend REST API using React.js, Ant Design, Adonis.js (Node.js MVC framework), PostgreSQL, and Docker
- Monitored user traffic with Google Analytics and tracking production errors with Sentry
- Integrated a serverless email service using AWS SQS, AWS Lambda, and AWS SES for emailing users when they signed up