

TECHNICAL SKILLS

Languages JavaScript/Node.js, Python, Java, Go, Ruby, C, Bash, SQL, HTML, CSS
Tools & Technologies Django, React, Redux, Rails, Docker, Typescript, RabbitMQ, Jest, Azure, Git

EDUCATION

The University of British Columbia Sep 2016 - May 2021

B.A. in Computer Science, Minor in Economics | CGPA: 3.75/4.33

Core Courseworks: Parallel Computing, Advanced Databases, Internet Networking, Distributed Systems, Algorithms & Data Structures, Operating Systems, Software Engineering, and Computer Graphics

WORK EXPERIENCE

Software Engineer Nov 2021 - Present

Microsoft – Vancouver, BC (Full-time)

Typescript, React.js, Node.js, Apollo GraphQL, and Jest

- Developing features on Microsoft Teams as part of CMD team

Software Development Consultant May 2019 - May 2020

reBOOT Canada – Remote (Volunteer & Contract)

Python, Django, PostgreSQL, Heroku, JavaScript, RabbitMQ, Deployment, and Security

- Led the donation platform from inception to launch with a team of 8; Retained as a consultant afterward
- Developed CRA-compliant tax receipt generator saving ~750 hours of manual work yearly
- Established Django MVT architecture and RabbitMQ Celery job queue minimizing HTTP request time
- Deployed on Heroku with TLS certificate and secure environment variables managing testing and production
- Optimized database schemas by normalizing and optimized ORM queries by batching and join ordering

INTERNSHIPS

Software Engineering Coop Sep - Dec 2019

TELUS – Vancouver, BC (Co-op, Full-time)

React.js, Node.js, OAuth2 with OpenID Connect, Deployment, and Security

- Wrote a reusable "stateless" OAuth2 security library with OIDC for all TELUS Node-based microservices
- Reduced request time by 92% via optimizing JWK fetching and caching stateless token validation
- Presented the library to 40+ developers, business analysts, and architects accruing cross-team interests

Junior Web Developer Jan - Aug 2018

ModernAdvisor – Vancouver, BC (Co-op, Full-time)

Ruby on Rails, AngularJS, Protractor, MySQL, AWS EC2, and DevOps

- Developed a full-stack web app (Ruby on Rails, AngularJS & SCSS) for financial robo-advisor platform
- Overhauled a new client signup flow, client portfolio reporting tool, and multiple bank accounts support
- Decreased the failure rate of Protractor tests by 70% by optimizing configuration and input sanitization
- Worked on user authentication, database migrations, UI implementation, and API endpoints

PROJECTS

HR Resource Utilization Platform - four-nine | Academic Jan 2020 - Apr 2020

React.js, Redux, C#, .NET Core 3, MS SQL Server, Active Directory, GitLab, Azure App Service, NGINX, Docker

- Placed first in delivery quality and performance of the projects evaluated by Associated Engineering
- Created GitLab CI/CD pipeline with build tests, automated Docker publishing and NGINX CDN startup
- Delivered client requirements and manage project through effective Scrum framework and documentations

Applicant Management Platform - pinpoint | UBC Launch Pad Sep 2018 - Apr 2019

Go, Docker, React.js, Bash, Protocol Buffers, and Security

[git.io/fhnNM](https://github.com/fhnNM)

- Experimented Go gRPC and Protobuf serialization creating 30% smaller request messages (vs JSON)
- Incorporated OTP user verification, and login flow features using security best practices with JWT-protected REST endpoints, secure credential storage, and secure database connection