

IONWYN SEAN

sean.ionwyn@gmail.com | [+1\(604\)-603-5685](tel:+1(604)-603-5685) | [linkedin.com/in/ionwyn](https://www.linkedin.com/in/ionwyn) | github.com/ionwyn | ionwyn.com

Software Engineer with over 5 years of full-stack development experience, specializing in React JavaScript and .NET C# applications. Proficient in developing web applications, APIs, and managing databases like MySQL, MSSQL, and PostgreSQL. Proven record in leading agile teams and delivering projects on time and within budget.

Technical Skills

- React
- React Native
- NextJS
- .NET 8
- .NET MAUI
- SQL
- JavaScript
- TypeScript
- Python
- OpenShift
- Docker
- Git

Work Experience

FULL STACK DEVELOPER (LEVEL 4)

Nov 2023 - present

Government of British Columbia

Victoria, British Columbia

- Lead the development of a data-driven web application using React, .NET 7 (C#), and PostgreSQL which automated workflow within the division.
- Designed and implemented real-time desktop application using .NET WPF with data tracking and reporting capabilities.
- Manage containerized applications in Openshift, ensuring scalability, availability, and security.

LEAD SOFTWARE ENGINEER

Jan 2020 - May 2023

PressReader

Richmond, British Columbia

- Developed and maintained web applications using Node.js, React, MySQL, and Ruby on Rails.
- Implemented an internal Atlassian plugin to enhance JIRA and Bitbucket integration.
- Led a cross-functional team of 7 members, delivering a high-stake project within budget 1 month earlier than expected.
- Spearheaded project planning, creating comprehensive plans, timelines, and milestones, and finding resource needs.

ASSOCIATE SOFTWARE DEVELOPER CO-OP

May 2018 - Dec 2018

HP Teradici

Burnaby, British Columbia

- Developed, integrated, and debugged PCoIP firmware components such as IP networking, compression, and control algorithms, peripheral devices, protocol interfaces, and UI using C, C++, and JavaScript.
- Migrated Atlassian Confluence legacy infrastructure to Atlassian Confluence with Java and Python
- Further automated TeamCity production and development environments for product release.

Education

Bachelor of Science: Computer Science

Simon Fraser University

May 2016 – Aug 2019

Burnaby, British Columbia

Professional Development Certificate in Project Management

McGill University

January 2024 - present

Montreal, Quebec

Notable Projects

Spotify-integrated web application

A web application aiming to display analytics about a user's listening trends and recommendations. Built with React + Redux, and Node.js Express. Deployed and hosted with Render.

Arthritis Research Canada survey and analytics

Custom survey web application to gather answers from participants and to present analytics from the results. Built with React, Express, Firebase NoSQL. Deployed on Heroku.

Self-hosted server

Utilizing bare metal Dell R410 hosting services like Plex, JIRA, Bitbucket, TeamCity using VMware ESXi, with public applications available via Caddy reverse proxy.

Chess AI

A JavaScript client-based chess engine built with min-max search, alpha-beta pruning, Zobrist hashing. Indexed search for optimized results.

Volunteer Work

- Web Development Mentor, Lighthouse Labs, 2017
- IT Support, Fraser International College, 2016
- Audio Engineer, Undisclosed production, 2020
- Event organizer and co-founder, ArtNet University Art Club, 2019

Other interests

- Music Production using Logic Pro X and Ableton with Spotify release
- Guitar, keyboard, and bass, performing at over a dozen venues
- Design with Figma or Sketch for hobby projects

Languages

- **English:** Native
- **Indonesian:** Native
- **French:** Intermediate (Cours de langue pour immigrants au Canada en ligne)