

# Isaac Thiessen

## Senior Software Developer



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## Summary

I am a Senior Software Developer in Victoria BC Canada. Over the last 6 years I have led many projects and demonstrated strong technical leadership and project management skills. Primarily I consider myself to be a backend engineer, but I have a ton of experience with UI/UX as well.

## Experience

### **KKETI OpenArk Contract**

Nov 2024 – Current

Architected real-time distributed system using ESP32s and FreeRTOS, integrating turbine control systems, boat propulsion systems, and environmental sensors. Managed the software side of the product while collaborating with other engineers.

### **SubHub Founder**

Nov 2024 – Current

Designed and built a substitute teacher booking system with multi-channel communication (phone, email, SMS). Developed complete user experience including administration portal, analytics dashboard, and booking workflows. Managed AWS infrastructure and marketing website hosting.

### **Leadpages Sr Software Engineer I**

Dec 2021 – Oct 2024

Promoted to Senior Software Engineer I. Provided technical leadership across multiple high-impact projects. Contributed to security implementations and product releases. Conducted code reviews, mentored junior engineers, and assisted in interview/hiring processes. Improved and maintained legacy systems. Spoke at RedBricks DevCon Conference for two consecutive years.

### **Roof Software Engineer**

Aug 2020 – Dec 2021

Developed high-reliability Django REST APIs. Improved development workflows through robust CI/CD pipelines and AWS CloudFormation deployments. Collaborated with product teams and other engineers.

### **Natural Resources Canada Co-op**

Sep 2019 – June 2020

Threw together a tool to allow NFIS (my department) to work remotely when COVID hit, 3 years later I found they were still using it as their primary method of remote work.

## Education

### **Information Computer Systems**

**Camosun College** – Diploma

2017 – 2019



### **Process Operator**

**Selkirk College** – Certificate

2015 – 2016

## Projects

### **LifeFrame**

A cross-platform application for taking a photo of your life every day.

### **dump\_dir**

A CLI application for building LLM context. Has over 100 stars on Github.















### **Homelab**

I have been running my homelab since 2010. Currently consists of a Kubernetes cluster running on OrangePi and a custom built NAS server running TrueNAS.

## Skills

- Very very organized
- Team oriented communication
- Interested in good, simple, long term solutions
- Experience with legacy systems
- Highly motivated

## Technologies

- |   |  |
|---|--|
|  <b>Linux 10+ years</b>    |  <b>React 4 years</b>   |
|  <b>Git 7 years</b>        |  <b>Flutter 5 years</b> |
|  <b>Python 6 years</b>     |  <b>Go 2 years</b>      |
|  <b>TypeScript 4 years</b> |  <b>AWS 5 years</b>     |
|  <b>Kubernetes 4 years</b> |  <b>Docker 6 years</b>  |
|  <b>Atlassian 5 years</b>  |  <b>Figma 3 years</b>   |
|  <b>LLMs 2 years</b>       |  <b>Notion 3 years</b>  |