

# Ferdinand Haaben

## Software Developer

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## SUMMARY

Highly skilled Full Stack Software Developer with experience in building sophisticated web applications from scratch. Proficient in modern web frameworks such as Django, Laravel, and Next.js. Eager to learn more and use my skills to provide value.

## SKILLS

- Programming Languages:** Javascript, Typescript, Python, Java, PHP
- Frameworks:** NodeJs, React, NextJs, Django, Laravel
- DevOps:** Linux, Github, Digital Ocean, Docker
- Testing:** Jest, Jenkins, Selenium
- Soft Skills:** Leadership, Proactive Communication, Problem-Solving, Presenting, Adaptability, Innovation
- Languages:** English (Fluent) , German (Fluent), Spanish (Beginner)

## EXPERIENCE

- Computer Technician**  
*JBJ Computers*

  - Completed hardware repairs on laptops and desktops
  - Troubleshoot software issues on Windows and MacOS
  - Helped customers with their inquiries and provided helpful advice
  - Removed malicious software from customers computers
  - Worked effectively in a fast paced team based environment

Feb 2025 – May 2025  
Vernon, BC
- Chief Technology Officer (CTO)**  
*Virtulynx*

  - Built full stack web application from scratch using NextJs
  - Integrated multiple APIs including OpenAi, and stripe
  - Designed front end user interface
  - Designed database schema and server logic
  - Set up deployment through github actions and digital ocean

Oct 2024 – May 2025  
Kelowna, BC
- Laravel Developer**  
*Nerd North*

  - Designed and implemented backend architecture and database schema.
  - Created a responsive front-end interface using Tailwind, Alpine.js, and Livewire.
  - Conducted thorough testing and deployed the application to the production environment.
  - Integrated multiple third-party APIs, including Printful and Stripe for seamless operations.
  - Managed the entire project lifecycle from requirements generation to final testing and deployment.

Jun 2024 – Oct 2024  
Vernon, BC
- Network Traffic Analyst**  
*Plume Design Inc*

  - Configured OpenWRT router with Open VPN and tcpdump.
  - Used custom command-line tools and Wireshark to analyze packets.
  - Wrote "signatures" in a custom programming language to uniquely identify traffic.

May 2023 – Sep 2023  
Remote

- Automated company processes with Python scripts.
- Analyzed large datasets with Pandas and Spark.

**Junior Software Developer**  
*Ocean Networks Canada*

May 2022 – Dec 2022  
Victoria, BC

- Created and maintained UI tests with Java + Selenium.
- Designed and implemented front-end features with React.
- Implemented back-end services in Java.
- Participated in scrum meetings, code reviews, and agile SDLC.

**PROJECTS**

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**Honors Thesis: Teaching with AI**  
*University Of British Columbia*

Sep 2023 – Apr 2024

- Developed an asynchronous question center utilizing a Retrieval Augmented Generation (RAG) approach to provide answers to student inquiries.
- Implemented a feedback mechanism enabling students to rate AI-generated responses as helpful or unhelpful, fostering continuous improvement.
- Integrated a review and update system for teaching staff to refine unhelpful answers, ensuring high-quality and accurate responses.
- Successfully integrated the system into an existing office hours queue infrastructure, enhancing its practicality and user-friendliness.

**EDUCATION**

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**University of British Columbia - Okanagan (UBCO)**  
*Bachelor of Science (B.A.Sc) in Computer Science (Honors). GPA: 3.9/4.33*

Kelowna, BC  
Sep 2019 – June 2024

**Northern Lights College**  
*Diploma in Aircraft Maintenance Engineering*

Dawson Creek, BC  
Jan 2015 – June 2016

**CERTIFICATIONS**

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- Class 5 Driver's License
- Possession & Acquisition License (PAL)
- Co-operative Education Program (UBCO)

**AWARDS**

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- Deputy Vice-Chancellor Scholarship, UBCO (2022-2023)
- Dean's List, UBCO (2024)