

Ismail Feham

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EDUCATION

Concordia University, GPA: 3.7

Montreal, QC

Bachelor of Engineering, Software Engineering **COOP**

Aug. 2021 – May 2025

Relevant courses: Data Structure and Algorithms, Advanced C++ Programming, Software Architect. and Design

Vanier College

Montreal, QC

Diploma, Computer Science and Mathematics

Aug. 2019 – May 2021

EXPERIENCE

Full Stack Web Developer

May 2024 – Aug. 2024

Flexspring

Quebec City, QC

- Developed and implemented new frontend features with **React TS**, **React Query**, **TanStack**, and **Metronics**, enhancing UI experience.
- Built backend services using **Java Spring Boot** with **AWS Cognito** for authentication, and managed data with **Redis**, **Aurora**, and **PostgreSQL**.
- Utilized **Docker**, **Jenkins**, **Sentry**, and **SonarQube** in a formal CD/CI process for reliable software delivery.
- Modernized codebase by removing legacy technologies like **Redux** and introducing **TanStack's React Query**, improving efficiency and maintenance.

Full Stack Web Developer

Aug. 2022 – Dec. 2022

Ross Video

Ottawa, ON

- Presented bi-monthly progress updates to **stakeholders**, incorporating feedback to build trust and ensure project alignment.
- Designed and developed user-facing features using **React TS**, **Redux**, and **AJAX** for enhanced frontend functionality.
- Built and maintained backend services with **Java Struts II**, including the implementation of **AJAX Events** for seamless data transmission.
- Significantly** reduced latency by engineering a **WebRTC-based** real-time communication service, leveraging NodeJS as a signaling server, for a seamless peer-to-peer connection.

PROJECTS

Personal Website Custom OS | *NEXT.js*, *Vercel*, *Tailwind CSS*, *Framer Motion*

May 2024 – Present

- Developed a **custom OS web application** from scratch.
- Experimented with **innovative layouts and color schemes** to achieve a unique, **retro-inspired aesthetic** for a modern web experience.
- Utilized **Framer Motion** to create complex animations, enhancing user experience.
- Showcased design concepts on a **Figma** page inspired by retro aesthetics.

HomeHaven | *NEXT.js*, *Vercel*, *Supabase*, *React*, *TailwindCSS*, *Jest*

Winter 2024

- Developed a **condo management system** with core functionalities for users and management companies.
- Implemented features like **profile creation**, **property management**, and a **financial system**.
- Built a **reservation system** for booking common facilities.
- Prototyped the UI using **Figma** and conducted testing with **Jest**.

Console3DGameEngine | *C++*

Winter 2023

- Developed a **console-based 3D Game Engine**.
- Utilized **transformation matrices** for object manipulation in 3D space.
- Implemented a **performance-optimized clipping feature**, greatly improving performance.
- Enabled rendering of **user-imported .obj files** within the engine.

TECHNICAL SKILLS

Languages: Java, Python, C/C#/C++, SQL (Postgres), NoSQL (MongoDB, Neo4J), JavaScript

Frameworks: React, NEXT, Node, Redux, Vue, Django, Cypress, Flask, JUnit, .NET, Oracle, MaterialUI, TailwindCSS

Developer Tools: Git, Docker, Jenkins, Maven, Google Cloud Platform, AWS, VS Code, Visual Studio, JetBrains

IDEs: Unix/Linux, Eclipse, SonarQube, SonarCloud, Sentry

Libraries: JavaFX, pandas, NumPy, Matplotlib