

Xiaohang Ji

📞 6138908559
✉️ jxh186045@gmail.com

👤 [Open Personal portfolio](#)
🌐 <https://linkedin.com/in/xiaohang-ji>

Education

Computer Engineering Technology-ComputingScience
Algonquin College
GPA 3.8/4.0.

2020.09 - 2023.09

Project

API Interface Open Platform

Spring Boot Spring Cloud Gateway Docker Swagger + Knife4j Dubbo MyBatis-Plus

[Github](#)

[LiveDemo](#)

■ Overview :

Developed a secure API platform with user registration, login, call permission management, and usage tracking. Administrators can manage and debug APIs. The project uses a **modular architecture** to ensure scalability and maintainability.

■ Responsibilities :

- Designed and implemented core functionalities, including API management, usage statistics, and access control.
- Developed a lightweight **client SDK** to simplify API calls for developers.
- Implemented **API signature** authentication and rate limiting to ensure security.
- Integrated **Swagger** and **Knife4j** to auto-generate API documentation, enhancing front-end and back-end collaboration.
- Integrated **Redis** and Elasticsearch for caching and analyzing call data, boosting system performance.

Full Stack Web Application with React and Spring Boot

React Spring Boot Spring Security Mysql Spring Data JPA Stripe API

[Github](#)

[LiveDemo](#)

■ Overview :

Developed a Full Stack web application integrating **React** and Java Spring Boot, incorporating features like **Stripe** credit card payments, JWT-based authentication, and user role management.

■ Responsibilities :

- Built the front-end using React, focusing on dynamic UI/UX and seamless user interactions.
- Developed back-end RESTful APIs with Spring Boot, incorporating Stripe for payment processing.
- Implemented **API signature** authentication and rate limiting to ensure security.
- Implemented **JWT authentication** and Spring Security for secure user login and access control.
- Designed and integrated a **role-based** access system to manage different user permissions.

Internship Experience

Agriculture and Agri-Food Canada - IT Student

2022.09 - 2022.12/2023.09 - 2023.12

- Conducted software and hardware testing, optimizing system performance.
- Maintained and updated inventory management systems, ensuring data integrity.
- Contributed to system optimization by analyzing and troubleshooting backend processes