

# LYDIA SHUWEN JU

FULL STACK DEVELOPER

Phone 438-926-0940  
Email jusendia@gmail.com  
Website <https://shuwenju.github.io/portfolio-website/>



## SKILLS

**Languages** Java, JavaScript, PHP, Python, C#, HTML, CSS, JQuery, SQL, Powershell  
**Frameworks** SpringBoot, ASP.NET Core, Flask, Express, Node.js, React.js, Redux  
**Databases** SQL Server, MySQL, MongoDB, Firebase  
**Tools** Git, Jira, AWS, Azure, Heroku, XAMPP, Postman, Figma, Agile Methodology



## EXPERIENCE

Junior Full Stack Developer | Fencecore.Inc | Montreal, QC

09/2023 - 12/2023

- \* Designed and implemented a robust **SQL Server** database, utilizing relational tables and employing a definition table dynamically generated through **T-SQL** procedures.
- \* Developed the backend infrastructure from scratch using **Node.js**, seamlessly connecting it to the SQL Server database using the MSSQL package.
- \* Integrated with APIs from 9 different suppliers, including Huntress, ConnectWise PSA, ConnectWise Automate, Nutanix, VMware, Wasabi, Datto, Sophos, and Ninja, to retrieve usage data. Implemented **REST APIs** to efficiently transmit this data through designated endpoints.
- \* Designed and developed the frontend using **React** and React-Bootstrap, ensuring a user-friendly interface. Integrated the frontend with the backend to consume API endpoints seamlessly.
- \* Implemented functionality allowing users to view and download usage data in CSV format by selecting the supplier and specified dates.
- \* Conducted thorough **data reconciliation** by mapping company clients with supplier records using T-SQL. Resolved discrepancies in client aliases across suppliers to ensure data accuracy.
- \* Leveraged T-SQL to generate comparison usage reports based on initial agreements with each client and actual usage data. **Automated the process** to enable real-time tracking and billing accuracy enhancements.



## PROJECTS

Online Book Shop | C#, ASP.NET.Core, MVC, SQL Server, Ajax, Azure

06/2023 - 07/2023

- \* Developed a full-stack online book store with distinct user roles, enabling functionalities such as book listing, purchasing, and an admin role for managing books, users, and orders.
- \* Utilized **Entity Framework Core** for code-first database implementation in conjunction with **SQL Server**.
- \* Incorporated **Stripe API** for seamless payment development, ensuring a smooth and secure transaction process.
- \* Integrated **Ajax** to enable seamless communication between the client and server side.

Fashion Retailer e-Commerce Website | React.js, MongoDB, Express.js, Node.js, Render

04/2023 - 05/2023

- \* Built a full stack e-Commerce web app with **MERN stack**, which provides product listing, product transactions, an intuitivereview system, and an admin section to manage product, user, and shipping information.
- \* Utilized **React & Redux** for client-side rendering while creating a robust back end with **Express, MongoDB** database, and the **Mongoose** ODM.
- \* Enhanced authentication and authorization security with **JSON Web Token (JWT)**.
- \* Integrated the PayPal API, providing a seamless payment process.
- \* Enhanced user experience with features such as Product Search, Carousel, Pagination, and more, with React-Bootstrap UI library.

Stock Management Portfolio | PHP, MySQL, XAMPP

02/2023 - 03/2023

- \* Designed a comprehensive full-stack web application for efficiently managing stock portfolios, allowing users to store all their stock purchasing history and effortlessly compare it to today's market prices, creating unique asset portfolios for intuitive visual analysis.
- \* Integrated real-time stock APIs to fetch current prices and generate interactive charts, resulting in improved readability and an enriched user experience.
- \* Utilized **PHP and MySQL** database to securely store user and stock information, providing a reliable and robust foundation for data management.



## EDUCATION

2022-2023 John Abbott College  
2013-2017 Ryerson University

AEC - Full Stack Developer  
Bachelor of Design and Communication