

SHIYUAN XU

FULL-STACK DEVELOPER

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PROFILE

I am an experienced software developer (10+ years) who has been updating the knowledge and skills through a full-stack development program at John Abbott College. I am currently seeking a job opportunity. I will be available to start working from January 15th, 2024.

EDUCATION

- **Full Stack Development Program**

John Abbott College

Jan 2023- Jan 2024, Montréal

- **Master's degree
in Software Engineering**

Shandong University

Sep 2010-Jul 2012, Jinan, China

SKILLS

- **Languages:** Java, JavaScript, PHP, C#, VB, HTML, CSS
- **Frameworks:** Spring boot, Node.js, Express.js, React, Laravel, dot Net, jQuery, Bootstrap, Thymeleaf, Tailwind
- **Databases:** MongoDB, MySQL, SQL Server, Postgres, SQLite
- **Deployment:** AWS, Azure, Linux, Docker, Heroku, Git/GitHub

RELATED WORK EXPERIENCE

- **Software Development Manager** at Luneng Tech, Tianjin (2002-2018)

As the founder, I assumed the roles of lead developer and team manager, steering the company towards success. Specializing in dotNet and database, I spearheaded the rapid development of bespoke application projects for clients spanning a multitude of industries, including healthcare, banking, real estate, sales, and hospitality.

Key Highlights:

Cross-Industry Expertise: Orchestrated the seamless development of tailored solutions, showcasing an adept ability to navigate and innovate across diverse industry landscapes.

Rapid Problem-Solving: Thrived in fast-paced environments, demonstrating a knack for swiftly identifying and resolving challenges across various domains.

Innovative Solutions: Demonstrated a flair for pushing technological boundaries and introducing inventive solutions to address multifaceted problems. This showcased adaptability and a deep understanding of intricacies within various industry landscapes.

This experience not only elevated my technical proficiency but underscored my capacity to provide agile solutions, affirming my prowess in addressing complex challenges across industries with speed and precision.

Highlighted Employment Projects

- **High-Density 3D Electrical Resistivity Imaging Instrument** (2007-2018, led a cross-functional team for development and application)
 - **Technology used:** VB.net, multi-threading, WinForms, MATLAB, XML, Zigbee, AD conversion circuits, data acquisition.
 - **Description:** Developed a pioneering data acquisition and computation system for underground water exploration in the mining industry. The system revolutionizes the accuracy of exploration projects by

employing a unique method that involves high-density data collection and fitting acquired results to a normal distribution function, resulting in high-quality data.

➤ *Innovations:*

- ✧ Utilized advanced techniques for high-density data acquisition, significantly improving the precision of exploration projects in challenging outdoor environments.
- ✧ Employed Zigbee self-organizing networks to ensure timely and reliable data transmission, even in remote and demanding field conditions.
- ✧ Integrated MATLAB's function fitting and graphing capabilities, providing powerful data visualization and analysis tools.

➤ *Achievements:*

- ✧ Secured a Chinese invention patent for the revolutionary data acquisition and computation system.
- ✧ Significantly enhanced the accuracy and efficiency of multiple exploration projects in the mining industry, contributing to improved decision-making and resource allocation.

● **Purchase, Sale and Inventory Management System (2005, led a team for development)**

- *Technology used:* VB.net, ASP.net, Web Forms, Microsoft SQL Server, IIS
- *Description:* Developed a comprehensive management system designed to streamline and enhance the processes of inventory control, purchasing, and sales for businesses. The system effectively managed the flow of data and analysis related to inventory management, including tracking changes in material stock levels from raw materials to finished products. It was built on a Browser-Server architecture and deployed on web servers, allowing operators to access and operate the system from web browsers. The system boasted a user-friendly interface and robust table processing capabilities. Notably, I integrated Excel functionality into the system, enabling the generation of complex financial reports.
- *Achievements:* Successfully marketed and sold the Inventory Management System to multiple clients, providing valuable assistance in optimizing their inventory management and business operations.

ACADEMIC PROJECTS

● **PhotoBazaar (Oct 2023, developed with a team of 3)**

- *Technology used:* MongoDB, Express.js, React, Node.js, AWS S3 Bucket, Socket.io
- *Description:* This project focuses on creating an Online artwork Sharing and Trading Platform, a digital marketplace where users can share, manage, and trade their original artworks. Users can also communicate through real-time messages.

● **BookWander (Aug 2023, developed individually)**

- *Technology used:* Spring boot, MySQL, Thymeleaf, JavaScript
- *Description:* This project is to build an Online Bookstore Management System that not only helps the bookstore staff manage their inventory but also provides an interface for customers to browse available books and make purchase requests.

● **Cityscape (Jul 2023, developed individually)**

- *Technology used:* PHP, Laravel, MySQL, Tailwind, JavaScript
- *Description:* This project is a web-based application for a small hotel chain that allows potential customers to reserve rooms based on availability.

● **ShopExpress (Jun 2023, developed with a team of 3)**

- *Technology used:* Node.js, Express.js, MySQL, Bootstrap, JavaScript, Ajax
- *Description:* The project is to create an online shopping platform that serves as a marketplace connecting buyers and sellers. The aim of the website is to provide a user-friendly experience for both buyers and sellers, empowering them to engage in efficient and secure transactions.