Xing Huang

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SKILLS

- **Programming/scripting languages:** Java, JavaScript, TypeScript, C#, Python, PHP, HTML5, CSS, SQL

- **Web Development:** Java Spring, REST, SOAP, Spring Security, Spring Boot, Spring Cloud, Microservices, Thymeleaf, Angular, React, NodeJS, express, ASP.Net, Django, Vite, Bootstrap, Tailwind, Three.js, Shaders , Figma

- **Database:** My SQL, SQL Server, MongoDB

- **Cloud and DevOps：** AWS, Azure, Jenkins, SonarQube, Docker, Git

- **Others:** WPF, Jira, Trello, English, French

EDUCATION

- Full Stack Developer (**Dean's List**)   John Abbott College(May 2023-July 2024)

- French as second language certification   University of Montréal (Jan. 2019-July 2019)

- Master of Environmental Science   University of Chinese Academy of Sciences(Sep. 2006-Jun. 2009)

- Bachelor of Environmental Science   Nankai University (Sep. 2002-Jun. 2006)

WORK EXPERIENCE

Full Stack Web Developer Intern   NEMCCO DESIGN AND TRAINING Inc.   (*May 2024-Aug 2024*)

- Contribute to design and code, deliver quality SaaS application hosted in the web and powered by WebGL or ThreeJS;

Researcher   Ministry of Environmental Protection (MEP), Beijing, China   (*Dec. 2009-mar. 2014*)

- Participated in chemical bioactivity testing; Researched and synthesized bioactive compounds.

- Researched chemical management regulations ;Drafted Good Laboratory Practices (GLP) standards of MEP; Organized, coordinated and assisted with nationwide GLP training and inspection.

PROJECTS

Oreizon App   (May. 2024-Jul. 2024)

-    3D web development, implementing and enhancing features for the SaaS application – Oreizon App by utilizing MERN full stack, Three.js, shaders, BVH.

Spring Boot Microservice Project   (Jul. 2024-Jul. 2024)

-    create a real-time microservices project using Spring Boot, and Spring Cloud technologies (Netflix Eureka, Gateway, Circuit Breaker, Sleuth), Keycloak, Zipkin, Kafka, docker.

Airbnb clone   (Apr. 2024-Apr. 2024)

-    Developed a comprehensive web application that emulates Airbnb using the following stack: Frontend - React, Bootstrap, MUI; Backend - Node.js with Express; Database - MongoDB; Cloud - AWS, Heroku, Netlify, GitHub; API integrations - Auth0, Stripe, Google Maps; CI/CD - Jenkins, SonarQube, Docker.

NotesApp   (Mar. 2024-Mar. 2024)

-   Developed an efficient note-taking and organization web application using Asp.Net, Entity Framework, SQL Server.

CRM web application   (*Mar. 2024-Mar. 2024*)

-   Developed a CRM application using Django, implementing CRUD operations for managing customers.

Food-order-online platform   (*Feb. 2024-Mar. 2024*)

-   Developed a comprehensive food ordering platform leveraging Vite, React, NodeJS, MongoDB, Auth0, Stripe, Cloudinary, Tailwind, and TypeScript. Users can easily sign up, manage restaurant operations, browse and filter restaurants, place orders, and seamlessly pay via Stripe API, all while tracking order statuses.

Electronic Shop Management(Desktop App)   (*Feb. 2024-Feb. 2024*)

-   Developed Electronic Shop Management System using WPF and C#, Azure SQL Database and Entity Framework with LINQ, Integration of libraries like LiveChart, Extended WPF Toolkit, Material Design Toolkit, PdfSharpCore, and Stripe.NET enhances functionality.

Real estate web application   (*Feb. 2024-Feb. 2024*)

-   Developed Just Sell Real Estate Website with React for dynamic UI, Node.js/Express for backend, MySQL/SequelizeJS for database, AWS S3 for file storage, Stripe for online payments, and AWS RDS for database management. Deployed using Heroku and Netlify, leveraging Express, Cors, Axios, and Bootstrap for enhanced features.

Recipe website   (*Nov.* 2023 – *Nov.* 2023)

-   Developed Recipe Site with a focus on user registration, recipe search, and content interaction. Utilized Azure server, MySQL database, PHP backend, and HTML, Bootstrap, JavaScript for frontend. Containerized the application using Docker and deployed it on AWS EC2, applying AWS security settings to ensure protection.

Library Management System   (*Nov.* 2023 – *Nov.* 2023)

-   Developed a practical Library Management System utilizing Spring Boot and Thymeleaf, implementing CRUD operations for managing books and members. Integrated Spring Security for authentication and database connectivity, ensuring robust functionality and security.