

JANE LIANG

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Technical Skills

Programming languages: JavaScript, TypeScript, C#, PHP, Python.

Databases: MySQL, SQL, PostgreSQL, Cockroach DB, MongoDB, Firebase, ORM, Prisma.

Tech stack: React, .NET, Node, Next, Prisma, Express, Agile, Git, AWS, RDS, Lambda, Cognito.

Experience

Internship | VIO-Sustainably

Jan 18 - Current

Waste tracking and supply chain management application

- Successfully implemented NextAuth authentication and authorization system with email and Google registration
- Designed an optimized database schema and visualized the structure and relationships in an Entity-Relationship Model (ERM) using draw.io.
- Successfully Created Object-Relational Mapping (ORM) according to the ERD using Prisma.
- Designed and implemented a comprehensive company and employee registration system to differentiate role-based accessibilities.

Office/Warehouse Associate | The Home Depot

May 2020 – Sep 2020

- Accurately received, assigned, and closed routes for daily logistics of online orders using a scan gun in SAP so that every order is systemically received by, and delivered from the distribute center.
- Printed product tags timely for lumber orders delivered from more than 20 vendors using EWM system.
- Performed daily data entry of special orders into a tracking spreadsheet accurately so that each item is traceable.

Projects

Markdown-Posts | .NET, Next.js, Markdown.js, AWS-Cognito, AWS-Lambda, Cockroach-DB

<https://lambda-md-notes.vercel.app>

Mar 2023 – Mar 2023

A Full stack serverless application that allows you to post Markdown notes.

- Developed and deployed back-end API using .NET controllers and Lambda server-less architecture for efficient code execution and cost-effective architecture.
- Applied AWS-Cognito for secure authentication of users, resulting in a secure and robust system.
- Utilized Tailwind CSS, and Markdown.js and created a visually appealing and responsive user interface.
- Implemented Cockroach-DB for its cost-effectiveness and high-performance capabilities.

SafeHouse | Agile, Git, Next.js, Firebase

<https://www.safehouseapp.ca>

Sep 2022 – Jan 2023

A system that facilitates temporary accommodation for evacuees by connecting them with homeowners willing to provide lodging.

- Leveraged Firebase to enhance data storage and retrieval capabilities, and seamlessly integrated Firebase Authentication to streamline user sign-in/sign-up.
- Optimized image uploads with Firebase Firestore.
- Collaborated effectively with a team using agile methodology and Git collaboration tool.

VanMarket | Express.js, Node.js, Socket.io, JavaScript, Agile, AWS-S3, MySQL, OOP

<https://van-market.onrender.com>

Jan 2022 – June 2022

A marketing platform for buying and selling.

- Developed mobile and interactive user interfaces using HTML/JavaScript/CSS and EJS templating.
- Utilized my skills in database design to create a comprehensive MySQL database ERD using draw.io, and proficiently implemented the database into the application via SQL command lines.
- Implemented real-time chat functionality using Socket.io.
- Utilized Amazon S3 bucket for managing and uploading images.

Education Qualification

Full-Stack Web Development

BCIT

Diploma

Sep 2021 - Apr 2023