Alex Yeh

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WORK EXPERIENCE

FULL STACK DEVELOPER | Imersive
Taipei | Jul 2024 –

- Engineered web scraping scripts to streamline product data collection, improving accuracy and retrieval efficiency. Set up pipelines to scrape, clean, and store data into a PostgreSQL database.
- Built and maintained RESTful backend APIs using Express.js, supporting internal tools and business data workflows. Integrated new endpoints to display B2B data on internal dashboards using a Next.js frontend.
- Contributed to cross-platform mobile app development using Flutter, focusing on implementing UI components based on design specs, reducing development time through a reusable cross-platform code base.

FRONTEND DEVELOPER | Accuenergy
Toronto, ON | Aug 2021 – Jun 2022

- Designed and implemented an interactive web interface of a power meter using Vue3. Supported role-based access (admin/view-only) for users.
- Designed and built real-time configuration tools for power meters, reducing user setup time and improving monitoring efficiency.
- Transformed raw API data into interactive dashboards (graphs/tables), enhancing data comprehension and decision-making for end-users.
- Maintained and modernized legacy interfaces (Vue2, React) to align with updated design systems and API integrations, ensuring consistency and improved performance.

PROJECTS

CHAT APP ⤤
React / Express / MongoDB / Socket.IO

- Full-stack real-time chat application using React, Express.js, and MongoDB
- Real-time message synchronization implemented with Socket.IO
- RESTful API endpoints for user authentication and message management
- Implemented JWT-based authentication with dual-token architecture (15-min access tokens, 7-day refresh tokens) and httpOnly cookies for secure cross-origin requests
- Utilized Zustand for state management across the application

QUIZ APP ⤤
Next.js / Supabase / Auth.js

- Full-stack multiple choice quiz app, implemented with server-side rendering and API routes using Next.js.
- Role-based access and protected routes with OAuth authentication.
- data synchronization with denounced saves and batch processing.

SKILLS

Frontend: Vue3/2, React,HTML/CSS, Tailwind

Backend: Node.js, Express, REST APIs, Python

Databases: PostgreSQL, MongoDB, Google Cloud SQL

Tools: Git, Docker, Figma

EDUCATION

University of Toronto
Honours Bachelor of Science