

Vivi Huang

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SUMMARY

Results-driven and innovative **Software & AI Engineer** with solid experience in **full-stack** web development. Proficient in React, TypeScript, Express (Node.js), MongoDB, and RESTful API integration, with strong skills in MySQL. Experienced in LLM integration, prompt engineering, and AI-powered application development. Skilled in CI/CD, DevOps, and AWS environments, with a proven record of delivering high-quality projects on time in agile teams. Click to [visit my portfolio](#)

SKILLS

Languages: C#, JavaScript (ES6+), typescript, Python, PHP, Node.js
Front-end: React, Redux (RTK), Next.js, Vue, HTML5, CSS3, Tailwind, Sass, jQuery
Back-end: .NET, Express, RESTful API, GraphQL
DB & Cloud: MySQL, MongoDB, AWS
Tools: Git, Agile, CI/CD, GitHub actions, Docker, Jest, Postman, Browser Debugging Tools, OOP, Figma

WORK EXPERIENCE

- Software Developer** (Mar 2025 — August 2025) LeapForward.ai , Sydney
React / Typescript / Laravel (PHP) / MySQL / GIT / CICD / LLM / OpenAI
Description: Mental fitness digital platform combining AI coaching and psychology to help users build resilience, overcome challenges, and improve wellbeing. [Visit here](#)
 - Developed scalable **Laravel REST APIs** using **Eloquent models, middleware, and resource controllers** to power the platform's gamification features (progress tracking, badges, points) backed by **MySQL**.
 - Implemented an interactive gamification interface with **React** and **TypeScript**, integrating **Laravel APIs** to deliver real-time progress tracking and dynamic progress-bar visualizations aligned with design specifications.
 - Built reusable **React components** for real-time reward notifications using **TypeScript, Laravel API updates, and Tailwind animations**, enhancing user engagement and UI responsiveness.
 - Set up **GitHub Actions CI/CD pipelines** to automate building, testing, and deployment processes for both front-end and back-end services.
 - Implemented the “Lucy” **virtual health coach** using a fine-tuned GPT-3.5 model, adding multi-turn conversation memory and real-time streaming responses via the OpenAI Chat Completions API.
 - Ensured **full data compliance** by encrypting sensitive fields, enforcing safe Eloquent queries, and applying domain validation to secure OpenAI API access.
 - Designed a scalable **prompt-management layer** supporting default and custom modes, with dynamic model, endpoint, and token switching for flexible evaluation and A/B testing.

PROJECT

- AI-Powered Interview Prep Platform** Aug 2025 – Oct 2025
OpenAI API / Mern Stack / MongoDB / Express / React / Node / CICD / AWS / Docker
Overview: Independently built a **MERN**-based interview prep app integrated with the **Gemini API** to generate AI-driven question banks and mock Q&A, supporting multi-environment deployment via Docker, GitHub Actions, and AWS (ap-southeast-2). [Visit here](#)
 - Led backend development with **Node.js/Express** and **MongoDB**, implementing authentication, question bank and favorites APIs, and environment configurations for stable performance.

- Built the **React** front-end, managing **apiPaths** and **multiple .env** setups for smooth local, testing, and production integration.
- Designed prompt templates and integrated **Gemini API** to generate real-time interview questions and feedback based on user input (role, skills, and difficulty).
- Created end-to-end DevOps pipelines with **Dockerfile** and **docker-compose**, and automated front-end container deployment to **AWS** via **GitHub Actions**.

Stock Management Platform

Aug 2025 – Oct 2025

React / Express / PostgreSQL / Neon / Typescript / Tailwind / CICD / AWS / Docker

Overview: Independently built a full-stack operations dashboard using **Next.js 14 + Tailwind**, backed by an **Express + Prisma + PostgreSQL** API for product management and KPI reporting. supporting multi-environment deployment via Docker, GitHub Actions, and AWS (ap-southeast-2). [Visit here](#)

- Developed a stock management dashboard with typed RTK Query hooks, reusable card components, and Recharts-based KPI visualizations for sales, purchases, and expenses.
- Designed Prisma-backed REST APIs with business logic for product CRUD and aggregated metrics, backed by Dockerized PostgreSQL.
- Implemented automated builds and reliable Linux deployments using Docker health checks, GitHub Actions CI/CD, and environment-specific configurations.

EDUCATION

University of New South Wales

2021.09-2023.09

Sydney, Australia | Information Technology | Postgraduate Degree

Shanxi Agriculture University

2017.09-2021.06

Shanxi, China | Network Engineering | Undergraduate Degree

University of Information Technology and Management in Rzeszow

2019.02-2019.08

Rzeszow, Poland | Computer Science | Exchange of learning | Grade: 4.5/5

CERTIFICATE

[AWS Certified Cloud Practitioner](#)

Issued: Oct 2025

[IBM Full Stack Software Developer](#)

Issued: Mar 2025

[Meta Front-End Developer](#)

Issued: Feb 2025

REFEREES

Available upon request