

Yuanming (Oliver) Wu

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Portfolio: <https://oliver-wu.vercel.app/> | GitHub: github.com/MUOliver1026

Summary

Results-driven **Full Stack Engineer** with expertise in **React, Next.js, TypeScript, and GraphQL**. Passionate about **building scalable architectures, optimizing system performance, and integrating secure authentication and payment solutions**. Strong experience in **DevOps, cloud deployment (AWS, GCP, Azure), and Agile methodologies**. Proven ability to **enhance system efficiency, reduce load times, and improve user engagement** through best development practices.

Technical Skills

- **Frontend:** React.js, React Native, Next.js, Vite, MUI, Tailwind CSS, Redux
- **Backend & APIs:** Node.js, Express.js, Next.js API Routes, GraphQL, Prisma, Drizzle ORM, Flask, Django
- **Databases:** SQLite, PostgreSQL, MySQL, MongoDB
- **DevOps & Tools:** Docker, CI/CD (GitHub Actions, GitLab CI/CD), AWS, GCP, Azure, Git, NPM, Yarn, Jira, cPanel
- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, C#, HTML/CSS, Bash

Work Experience

TidyTeddy, Melbourne 09.2024 - present **Full Stack Engineer**

Technologies: React.js, TypeScript, Express.js, Redux, MySQL, Node.js, Docker, Git, Jira, cPanel

- Spearheaded the **redevelopment of www.tidyteddy.com.au**, upgrading to a modern stack (**React, Vite, Tailwind CSS**), leading to **20% faster load times** and a **25% increase in quote request submissions**.
- Architected and currently leading development of **Wizy**, an IT career consultation platform with **Next.js (App Router), GraphQL, and Drizzle ORM**, integrating **mentor scheduling, secure payments, and live video mentoring**.
- Established Agile (Scrum) workflows in Jira, optimizing **sprint efficiency and reducing code review cycles by 30%**, resulting in faster deployments and maintainable code.

QuickSite.guru, Remote 06.2024 - 09.2024 **Web Developer**

Technologies: React.js, Vite, GitHub Actions, GCP, Firebase

- Developed a **UI guideline system** using **React.js** and reusable component libraries, ensuring **design consistency and improving developer efficiency by 25%**.
- Automated **CI/CD pipelines with GitHub Actions and GitLab CI/CD**, implementing auto-deploy scripts and unit testing, **reducing manual deployment time by 40%** and enhancing release stability.

- Led **Agile project tracking with GitHub Kanban**, improving backlog prioritization and enabling on-time delivery of three major UI features.

Award Global, Sydney 04.2023 - 07.2023 **Software Engineer**

Technologies: Next.js, Tailwind CSS, Ant Design, WordPress, Vanilla JavaScript, Python, Bash

- Engineered a **fully responsive showcase website** with **Next.js and Tailwind CSS**, optimizing layouts to **improve mobile UX by 35% and reduce bounce rates by 20%**.
- Integrated a **custom WordPress-based CMS** via **RESTful APIs**, enabling **marketing teams to dynamically update content, cutting content update turnaround by 40%**.
- Developed an **API-driven architecture** that automated content updates, **reducing update time by 50%** and improving overall site maintainability.

Project Experience

TutorTrackr, 09.2023 - 12.2023 https://github.com/MUOliver1026/tutor_management_platform

Technologies: TypeScript, Next.js, GraphQL, Node.js, Prisma, MongoDB, Tailwind CSS, Cypress

- Designed and implemented **tutorial scheduling and real-time messaging features**, enabling seamless communication between students and administrators.
- Optimized **API performance** with **Prisma and GraphQL**, reducing response times by **20%** and ensuring efficient front-end and back-end communication.
- Applied Agile methodologies via Jira for **task tracking and version control**, delivering the project **on schedule with a High Distinction grade (91/100)**.

Certifications

AWS Certified Cloud Practitioner 09.2023

Education

02.2022 - 12.2023	University of New South Wales (UNSW) Master of Information Technology (Artificial Intelligence)
09.2017 - 07.2021	Shenzhen University Bachelor of Electronic Engineering (Communication Engineering)