

Yuanming (Oliver) Wu

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Summary

Results-oriented and innovative Software Engineer with extensive experience in full stack web application development, specializing in JavaScript and TypeScript. Proficient in frameworks like Next.js, React.js, Node.js, and Express.js, with expertise in RESTful APIs and GraphQL. Skilled in CI/CD, DevOps, and cloud technologies. Adept at working in agile environments and delivering high-quality projects on time.

Skills

Languages: **JavaScript, TypeScript, Python, SQL, HTML/CSS**, C, Shell (Bash), Rust
Web tech: **Node.js, Express.js, Restful API**, Prisma, Flask, Django
Front end: HTML5, CSS3, **React, Next**, Angular, GraphQL, MUI, Bootstrap, Tailwind CSS
DB: SQL, MySQL, PostgreSQL DB, DynamoDB, **MongoDB**
Tools: **AWS**, Azure, **Git**, WordPress, Postman, **vite**, DevOps, CI/CD pipeline, Jira, Agile

Work Experience

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

Description: Global Pay platform and Award Capital website development, internal marketing data platform maintenance

Technologies: Next.js (React.js), Ant Design, Tailwind CSS, WordPress, Vanilla JavaScript, Django, Python, Shell Scripting (Bash), Markdown

- Developed 'Global Pay' platform using **Next.js** (React.js), Ant-Design, and Tailwind CSS for responsive UI/UX
- Built "Award Capital" website in WordPress with Vanilla JavaScript for enhanced functionality
- Maintained and upgraded Django backend for internal marketing data platform using Python and Bash
- Automated deployment, database management, and server provisioning with Shell Scripting
- Wrote API documentation and user guides for internal software projects using Markdown

Project Experience

Estate Ease, 04.2024 - 06.2024 <https://github.com/MUOliver1026/EstateEase>

Description: Web system for real estate marketplace application, and company portal using custom CMS

Technologies: TypeScript, **Next.js**, MERN stack (MongoDB, Express, React, and Node)

- Created a user-friendly, feature-rich real estate marketplace platform, leveraging data & analytics to enhance search performance and user experience
- Architected digital solutions, including database schema, backend API, frontend UI, and integrated features using the MERN stack
- Implemented advanced features like property listings, search, and user-friendly management
- Demonstrated expertise in enterprise technologies and implementing complex features with robust security measures, successfully protecting user data

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

Description: Tutor management platform to help students and tutors manage tutorials effectively

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

- Developed an educational platform to help students and tutors manage tutorials effectively, involving business engagement and analysis to meet client requirements
- Built frontend pages using Next.js, TypeScript, Tailwind CSS, and created the API for data querying using GraphQL, MongoDB, Prisma, reducing data retrieval time by 40%
- Incorporated automated testing and feedback-driven iterations to ensure quality code delivery within tight timelines
- Awarded High Distinction grade of 91/100, recognizing work quality and ability to meet client requirements.

Web Portfolio, 09.2023 - 10.2023 https://github.com/MUOliver1026/Oliver_Wu_Portfolio | <https://oliver-wu.vercel.app/>

Description: Personal website showcasing projects and skills

Technologies: Next.js, TypeScript, Tailwind CSS, Vercel

- Achieved a 100% performance score on Lighthouse for the personal website

Certificates

AWS Certified Cloud Partitioner 2023.09.12

Education

2022.02 - 2023.12	University of New South Wales (UNSW) Major: Information Technology (Artificial Intelligence)
2017.09 - 2021.07	Shenzhen University Major: Electronic Engineering (Communication Engineering)