

Jeremy Liu

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CAREER PROFILE

As a full stack developer with 1 year web development experience and 3 years software support experience, I possess a strong foundation in front-end and back-end tech stacks and delivered multiple features and projects.

- Hands on experience on frontend development: React, Next.js, Typescript, Javascript, HTML, CSS, SASS, Tailwindcss, Material-UI, Redux, Axios, Responsive design.
- Hands on experience on backend development and third-party API integrations: Node.js, Express, Nest.js, JWT, Stripe API, OpenAI API, Postman.
- CRUD and schema design experience for databases: MongoDB, PostgreSQL, MySQL.
- Experience with frontend component testing using Jest/React Testing Library, and backend unit testing using Jest.
- Solid skills in agile development and version control: Jira, Scrum, Git, Github and Bitbucket.
- Experience with CI/CD pipelines and cloud deployment: Docker, Github Action, AWS S3, EC2, ECS, Cloud front, Route 53, Application Load Balancer, Vercel, Railway and Heroku.
- Excellent communication and team working skills developed through project management.
- Excellent problem solving skill and quick learning ability with a proactive can-do attitude.

RELEVANT WORK EXPERIENCE

Full Stack Developer (Freelance)

Dec 2022 - May 2023

FotoPie Pty Ltd

- Developed FotoPie website in separate frontend and backend frameworks with 16 team members to provide users with photo sharing, AI image generation and subscription service.
- Built backend APIs in Nest.js with Typescript, JWT, Mailgun and Bcrypt to provide user signup and password reset service with email verification links, and ensure the data integrity.
- Built frontend pages and reusable components in Next.js with Typescript, Material-UI, CSS, Axios, Redux and Responsive design, which adapts to different screen sizes, and provides state management and handles asynchronous API requests.
- Implemented component tests for frontend components with Jest/React Testing Library, and unit tests for backend services with Jest.
- Designed database schemas and implemented MongoDB Atlas as cloud database solution.
- Integrated Stripe API, OpenAI API and AWS S3 SDK into the backend API server to provide member subscription, AI image generation and photo upload/storage service.
- Implemented CI/CD pipeline with Github Action to realise deployment automation and deployed the project to AWS using docker, ECS, Cloud Front, Route 53, and ALB.
- Collaborated with the team in Agile development strategy using Jira/Scrum and adopted Git/Github as version control.

Support Engineer

Jun 2019 - Apr 2022

Hikvision Australia

- Provided support and testing for video surveillance web/desktop applications and mobile apps: HikCentral and Hik-Connect by working closely with software engineer team.
- Interacted directly with enterprise clients to design and build customised CCTV SaaS solutions by using HikCentral application modules based on clients' system requirements.
- Deployed HikCentral software on clients' Linux/Windows server and implemented network infrastructure using TCP/IP, WAN/LAN, routing/switching with clients' engineer team.
- Conducted testing and troubleshooting of the issues reported from clients and provided fix solutions to customers in a timely manner with software engineer team.
- Managed the progress of projects and provided presentations and trainings to customers.

RELEVANT PROJECT

FotoPie Full Stack Web Application

- Website link: <https://www.fotopie.net>
- Developed the full stack FotoPie web application in a team of 16 members to provide users with photo sharing, AI image generation and subscription service using Nest.js, Typescript, Next.js, Material-UI, Responsive design, MongoDB, Jira, Git and Github.

Lion Fitness Frontend Website

- Website link: <https://lion-fitness.vercel.app>
- Collaborated with the business owner and UI designer to build and deploy the gym static official website for displaying their services and plans using HTML, CSS, Javascript, Responsive design and Vercel.

My Portfolio Frontend Website

- Website link: <https://jeremy-liu.vercel.app>
- Built and deployed the personal portfolio website using Next.js with Typescript, Tailwindcss and Framer Motion, Responsive design and Vercel for showcasing my skills, experience and previous projects.

EDUCATION

Master of Engineering Science (Telecommunications)

2016 - 2018

University of New South Wales

Bachelor of Electronics and Information Engineering

2012 - 2016

Zhengzhou University

PROFILE LINKS

Linkedin: <https://www.linkedin.com/in/jeremy-zeyu-liu>

Github: <https://github.com/JeremyyyLiu>

Portfolio: <https://jeremy-liu.vercel.app>