

Bach Thanh Duong

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LANGUAGES AND TECHNOLOGY

- Programming Languages: **JAVASCRIPT, HTML & CSS, PYTHON, C++, SQL.**
- Web Development: **React/ Vue, Typescript, Redux, Zustand, NodeJS – ExpressJS, AWS Lambda, MongoDB.**
- Others: **Github, Figma, Docker, Photoshop, experience with Linux.**

WORK EXPERIENCE

Full-stack Developer **Aotearoa Energy LTD** **November 2021 – Present (On Going) - 2.5 years**

- As a Full Stack Developer at Aotearoa Energy, in creating and refining web applications that our team and stakeholders rely on daily.
- Within a collaborative IT team of 3 (2 backend Developers and me - full stack Developer), I take the lead on UX research and design, engaging closely with stakeholders and product owners to architect, develop, and iterate on comprehensive digital solutions. My role encompasses planning and executing both front-end and back-end structures for diverse projects, establishing a cohesive design system that includes style guides, icons, themes, and libraries.
- I am adept at building robust, scalable applications using Next.js, ReactJS, and NodeJS, with a focus on optimizing database interactions for both MongoDB and MySQL.
- A key part of my responsibility is to collect and analyze user feedback, enabling continuous enhancement of our applications to meet evolving business needs.
- Key Projects:
 - **PEM - Prompt Electrical Market:** is a dynamic website that enables users to bid on and purchase electrical contracts in real-time, operational five days a week, enhancing the efficiency of weekly energy trading. My contributions included leading the design system, front-end Development, ensuring a seamless and intuitive user experience, and assisting in the development and integration of a MongoDB database.
 - **FTR Ledger:** visualizing the complex process of daily trading orchestrations, simplifying the steps involved in energy trading for stakeholder to track and trace and create monthly financial reports.

EDUCATION & CERTIFICATIONS

MDS, Auckland - NZ **MEDIA DESIGN SCHOOL** **Jul 2023 – Jun 2026**

- Bachelor of Software Engineering – Artificial Intelligence (AI).
- AWS – Solution Architect Associate.
- Diploma of UX Design and Web Development – Yoobee College.
- Google UX Design Certificate.

PROJECTS

- **DonoHippo: Jan 2024 - March 2024**
 - Github: <https://github.com/duongdono95/DonoHippo-NextJS>
 - Techstack: **NEXTJS, TYPESCRIPT, MONGODB, STRIPE, CLERK, VERCEL.**
 - DonoHippo is an innovative e-commerce platform designed as a vibrant marketplace for digital artists to showcase and sell their creations. This platform serves as a dynamic

playground where artists can connect with buyers seeking unique, affordable, and authorized digital images.

- **DonoVista: Nov 2023 - Jan 2024**

- Github: <https://github.com/duongdono95/DonoHippo-NextJS>.
- Techstack: **REACTJS, TYPESCRIPT, NODEJS, DnD KIT, MONGODB.**
- DonoVista offers a dynamic task management solution that mirrors the functionality of Trello, designed to enhance productivity through an engaging user interface. It facilitates seamless user onboarding with its intuitive sign-in and sign-up processes, coupled with an organized board and task management system. Highlighting its drag-and-drop feature, DonoVista enables users to effortlessly organize and prioritize tasks, making project management both efficient and user-friendly.