

LILY DUONG

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*** **Open to relocation | Full working rights in Australia *****

ABOUT ME

Software Engineer with hands-on experience building and deploying full-stack web applications using TypeScript, React, Node.js, and cloud services. Strong in end-to-end ownership – from system design and API development to testing, CI/CD, and production deployment. Known for reliability, clear communication, and a growth mindset, with experience working in high-standard, customer-focused environments. Backend-leaning but comfortable across the stack.

TECHNICAL SKILLS

- **Frontend:** React, TypeScript, Tailwind CSS, Vite, HTML/CSS, Figma, Next.js (basic)
- **Backend:** Node.js, Express, Flask, Prisma, SQLAlchemy
- **Databases:** PostgreSQL, MongoDB, MySQL
- **DevOps / Cloud:** Docker, AWS (S3, RDS, CloudFront, EB), Terraform, GitHub Actions
- **Other:** GA4, GTM, Technical SEO, OOP, Data Structures, Agile, CI/CD, AI-assisted development

PROJECTS

Flora ([Team Project](#)) - [Live](#) | [Github](#) - *React, TypeScript, Node.js, Prisma, PostgreSQL, Docker, Auth0, AWS*

- Delivered a full-stack marketplace from concept to production within a 4-person agile team
- Took ownership of backend services, implementing secure authentication, products listing and filtering, subscriptions, delivery flow, and user profile
- Set up database, Dockerised development workflows, added **Jest** tests to improve reliability and catch regressions early, set up CI pipelines using GitHub Actions
- Integrated **AI-generated** gift messages using **Gemini** models.
- Deployed using **AWS** (Elastic Beanstalk, RDS, S3) with **Terraform** IaC + GitHub Actions CI/CD, then migrated to Vercel and Supabase for cost saving.

LinkFarm - [Live](#) | *React, TypeScript, Vite, Tailwind CSS, Flask, PostgreSQL, SQLAlchemy, AWS*

- Built a full-stack marketplace platform connecting small farmers with urban consumers, focusing on listings, discovery, and buyer–seller inquiries.
- Built a decoupled application structure: a **React/TypeScript frontend** + **Flask backend** via a REST API with authentication and role-based access control (user, farmer, admin).
- Integrated AI-assisted listing creation using **Google Gemini** (Vision + Text) and implemented an image upload pipeline with Cloudinary CDN optimisation.
- Deployed and operated the application in production, initially on **AWS**, later migrating to Vercel and Supabase to reduce costs.

Daily Vocab extension - [Live](#) | *JavaScript, Chrome Extensions, REST API Integration, UI/UX*

- Built a **Chrome extension** for vocabulary learning, displaying IPA phonetics and pronunciation audio, and translations for selected words while browsing.
- Implemented a “save for later” workflow to store vocabulary and support end-of-day review, including export for structured practice with AI

HBNB - AirBnB-Style Clone(Team Project) - [Github](#) | *Python, Flask, SQLAlchemy, JavaScript, HTML, CSS*

- Designed system architecture and user flows using Lucidchart.
- Implemented backend APIs and data persistence with SQLAlchemy.
- Built the custom frontend and connected it to backend endpoints.

Netflix Clone - [Live](#) | [GitHub](#) | *React, Express.js, MongoDB, Tailwind CSS, Render*

- Built JWT-secured platform with user accounts, search, recommendations, and watch history.
- Developed responsive UI components and optimised API usage.

Game Hub - [Live](#) | [GitHub](#) | *React, TypeScript, Vercel*

- Built a responsive gaming discovery interface with filtering, sorting, and genre browsing.
- Focused on clean components and reusable UI patterns.

WORK EXPERIENCE

Full-Stack Engineer Student – *Holberton School Australia*

Feb 2025 – Nov 2025

- Completed intensive training in full-stack development, data structures, algorithms, and low-level programming (C).
- Collaborated using Git branching strategies, code reviews, pair programming, and agile workflows.
- Built multiple full-stack projects using Python, SQL and JavaScript frameworks (React, Node.js)

Technical Solutions Specialist – *TDCX Malaysia (Google Project)*

Apr 2022 – May 2024

- Acted as a **Technical Specialist** for Google's advertising and analytics products, specialising in **GA4, GTM, and Google Ads** conversion tracking, analysed reports, and ensured data accuracy across platforms.
- Implemented and debugged JavaScript-based tracking, event tags, and measurement setups for advertisers.
- Collaborated with Google cross-functional teams to troubleshoot complex front-end and tag-related issues.
- Mentored and trained new hires, fostering a collaborative team culture, achieved top CSAT recognition, and earned the “Miss Grand Tag Team” title.

Digital Marketing Consultant – *TDCX Malaysia (Google Project)*

Jan 2021 – Apr 2022

- Supported advertisers with Google Ads and Analytics enquiries, including campaign optimisation and measurement.
- Contributed to internal documentation, team training, being the go-to person when someone needed help.

Data Analyst – *Accenture Malaysia*

Jan 2019 – Jan 2021

- Reviewed and annotated large volumes of user data, proposed workflow improvements.

Customer Support & Data – *Concentrix Vietnam*

Oct 2017 – Oct 2018

- Delivered multilingual support for Uber and Grab via phone, chat, and email.

EDUCATION

Holberton School Australia

Full-Stack Software Engineering

Melbourne, Australia | Feb 2025 – Nov 2025

- Training in C, Python, JavaScript, data structures, system design, and full-stack development.

Tay Nguyen University

Bachelor's in Chemistry Education

Vietnam | Sep 2012 – Jun 2016

- Focus on science education and curriculum design, qualified to teach high school Chemistry