

# DAHLIA MAI DINH

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## Skills

- Strong: JavaScript | TypeScript | HTML | CSS | React | Redux | Node | Express | NoSQL(MongoDB) | Git | Webpack | Agile Methodology
- Experienced: Next.js | SQL(PostgreSQL) | Docker | Kubernetes | AWS(EC2, EKS) | GraphQL | Jest | React Graph Vis | Node cmd | Tailwind CSS | Material UI | Framer Motion | Sass | Chart.js | WebSockets | CI/CD | Electron | Bcrypt | OAuth | Prometheus | Grafana | Open AI API
- Frontend | Backend | Full-Stack | English, Vietnamese – *All professional proficiency or above* | German - *Intermediate*

## Experience

### Full-Stack Software Engineer

Kube VX

Los Angeles, CA, USA

2023 - Present

- Enhanced Kubernetes cluster analysis by implementing Prometheus, Grafana, and Chart.js, providing users with intuitive metric visualization through clear charts and visuals, eliminating the need for complex command-line tools.
- Employed **React**, **Redux**, and **Material UI** to improve project efficiency, reducing rendering complexities and enhancing data management, achieving a 20% improvement in page loading times.
- Utilized **Express** for efficiently handling HTTP requests, and employed **Node.js** for server-side processes, capitalizing on its event-driven architecture, resulting in enhanced scalability and streamlined operations in the Kubernetes visualizer tool.
- Leveraged **MongoDB** database with robust query capabilities to achieve instant response time and optimized data storage.
- Integrated the Kubernetes Client Node library to interact with the Kubernetes cluster and utilized React Graph Vis to represent component relationships visually, leveraging their ease of compatibility to create appropriate graphics while minimizing development time.
- Engineered an AI assistant achieving a 95% accuracy rate using jQuery to process data efficiently, optimizing information summarization for Kubernetes clusters and markedly enhancing user experience.
- Developed Bcrypt, cookie-based authentication, and Google **OAuth** sign-in for enhanced user convenience and security.
- Incorporated Chart.js and Node-fetch, enabling users to personalize charts by selecting queries retrieved from Prometheus.
- Leveraged node-cmd to fetch and filter Kubernetes cluster logs for user-friendly frontend display.

### Business Development | Administrative Manager

Endevio - Sanrimjohap

Malta

09/2020 - 10/2023

- Introduced and integrated vital technology tools (Jira, HubSpot, ClickUp, Clockify, Payhawk, Shireburn, ERP) to enhance team efficiency and project management, aligning with Scrum and Agile methodologies, fostering a 16% increase in productivity.
- Boosted revenue by 12% by initiating strategic partnerships and cultivating strong client relationships.
- Led end-to-end recruitment processes and effectively managed staff benefit programs, yielding a 15% increase in employee satisfaction.

### Senior Cabin Crew

EVA Air

Taiwan

09/2015 - 08/2020

- Collaborated with diverse teams to ensure the safety and comfort of over 170,000 passengers, resulting in a 96% satisfaction rating.

## Projects

### Software Engineer

Cerebella - AI Tutor App

2023

- Implemented a backend server with Node.js/Express to seamlessly integrate APIs with OpenAI, utilizing its asynchronous and lightweight architecture for efficient data retrieval and processing, ensuring swift and responsive interactions with the AI tutor.
- Designed a user-friendly single-page application with React and React Router, enabling smooth navigation within the AI tutoring app, eliminating page refreshes, and facilitating easy exploration between features such as a live chat room, study calendar, and study tracker.

### Software Engineer

MeowMatch - Pet Adoption Platform

2023

- Conducted comprehensive testing using Jest for backend and React Testing Library for frontend validation to ensure repeatable, guaranteed behavior of components and routes for a consistent user interface.
- Used Webpack for efficient bundling, optimization, streamlined project management, automating tasks, and improving asset organization.

### Software Engineer

RendezView - Meeting Planner

2023

- Implemented PostgreSQL for the app's backend, efficiently managing event, organizer, and invitee availability relationships through a robust SQL database for streamlined coordination and improved user experience.

## Education

- **Advanced Residency for Software Engineering | Codesmith**
- **Bachelor's Degree | National Economics University**
- **Relevant Coursework/Certifications:** Front End Development Libraries, Responsive Web Design, Javascript Algorithms and Data Structure, Content-Led SEO.

## Talks/Publications

- **Tech talk:** Continuous Integration and Deployment (CI/CD), 2023 | **Medium article:** [KubeVX: An Intuitive Kubernetes DevTool](#)