DAHLIA MAI DINH

Full-Stack Software Engineer | Los Angeles | 📱 626-678-3714 | ✉ dahliamai033@gmail.com | ⓞ [mai033](#) | [in] [mai-dahlia](#)

Skills

- Strong: JavaScript(ES6+) | TypeScript | HTML | CSS | React | Redux | Node | Express | NoSQL(MongoDB) | Git | Webpack
- Experienced: SQL(PostgreSQL) | WebSockets | Docker | GraphQL | Prometheus | Grafana | Electron | Open AI API | CI/CD | Jest | Bcrypt | Agile Framework | Chart.js | React Graph Vis | Material UI | Kubernetes | Docker | AWS(EC2, EKS) | Node cmd | OAuth | Saas
- Frontend | Backend | Full-Stack | English, Vietnamese – *All professional proficiency or above* | German - *Intermediate*

Experience

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 to enhance scalability and streamline operations in the Kubernetes visualizer tool.
- Leveraged **NoSQL** database (MongoDB) 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 efficiently process data, streamlining 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.

Business Development | Administrative Manager　　**Endevio - Sanrimjohap**　　*Malta*　**09/2020 - Present**

- 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**

- Ensured the safety and comfort of over 170,000 passengers on 550 flights, 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 chatroom, 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.
- Utilized Webpack for efficient bundling, optimization, and streamlined project file management.

Software Engineer　　　　　　**RendezView - Meeting Planner**　　　　　　**2023**

- Implemented ElephantSQL 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](#)