

DAHLIA MAI DINH

Software Engineer | Los Angeles | 📞 310-689-6394 | 🌐 dahliaimai.com | ✉️ dahliaimai033@gmail.com | 🐙 [mai033](https://github.com/mai033) | 🌐 [dahlia-mai](https://dahlia-mai.com)

Skills

- **Languages & Frameworks:** JavaScript | TypeScript | Python | HTML | CSS | React | Redux | Node.js | Express | Next.js | GraphQL | Jest | React Graph Vis | Tailwind CSS | Material UI | Framer Motion | Sass | Chart.js | Electron | Vite | Agile Methodologies
- **Technologies & Platforms:** MongoDB | APIs | Git | GitHub | Webpack | SQL (PostgreSQL) | Docker | Kubernetes | AWS (EC2, S3, EKS) | WebSockets | CI/CD | Bcrypt | OAuth | Prometheus | Grafana | Vercel | Data Science

Experience

Team Lead

Scale AI

01/2024 - Present

- Led a team of software engineers, providing feedback and performing audits to ensure high-quality deliverables, while conducting quality control assessments.
- Developed an internal AI-powered tool leveraging OpenAI to automate the data evaluation pipeline, enhancing efficiency and reducing manual review time.
- Developed, reviewed, and evaluated code from other engineers to ensure quality, efficiency, and adherence to best practices.
- Supported the development of onboarding and testing material for large-scale pipelines.
- Built and drove operational processes, analyzing data to identify bottlenecks and maintain optimal throughput.

Software Engineer

Link to Art

01/2024 - 04/2024

- Developed a data-intensive web application using React, ensuring high performance and responsiveness across devices and browsers.
- Implemented full-stack web applications, integrating relevant APIs and services, including Stripe for secure payment processing and Clerk for user authentication.
- Built and maintained a scalable database schema using MongoDB, effectively managing user profiles, sales data, and inventory.
- Collaborated with design teams to implement intuitive interfaces and enhance user experience.

Full-Stack Software Engineer

Kube VX

04/2023 - 12/2023

- Developed an Observability Platform for analyzing **Kubernetes** clusters by implementing **Prometheus**, **Grafana**, and **Chart.js**, streamlining metric visualization, reducing engineer hours in microservice development and scaling.
- 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 **Node.js**, **Express**, and **Prometheus** to develop the Email Notification Platform, allowing SRE teams to configure custom metrics to indicate critical system outages and receive email notifications in such events.
- Improved scalability by leveraging **MongoDB**'s low-latency queries for efficient performance and accommodating growing data demands.
- Engineered the **AI Kubernetes Assistant**, achieving a 95% accuracy rate in initial testing by leveraging Node.js to integrate with our REST Third Party Integration System for infrastructure analysis.
- Incorporated third-party encryption libraries, cookie authentication, and Google **OAuth** to ensure the security of sensitive user data.
- Integrated **Chart.js** for its responsiveness and diverse chart types, enabling users to personalize charts by selecting from a query list with over 300 options.

Business Development | Office Manager

Endevio

09/2020 - 03/2023

- Led cross-functional teams, improving project delivery by 20% and enhancing inter-departmental communication by 15%, as evaluated through KPIs.
- Introduced and integrated 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.

Projects

Software Engineer

Cerebella - AI Tutor App

- Built a Node.js/Express backend integrating OpenAI API for efficient data retrieval and responsive AI interactions.
- Conducted unit 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.

Education

- **Advanced Residency for Software Engineering** | Codesmith
- **Bachelor's Degree** | National Economics University

Talks/Publications

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