

# DAHLIA MAI DINH

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## 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

## Experience

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|---|---------------------------|-------------------|
| <b>AI Training Team Lead</b>  | <b><u>Scale AI</u></b>    | 01/2024 - Present |
| <ul style="list-style-type: none"><li>• Led a team of 50 engineers in training AI models in programming, achieving 98% project objective completion and meeting all deadlines.</li><li>• Conducted quality control audits, ensuring AI model performance surpassed benchmarks with 95% accuracy and reliability standards.</li></ul>  |                           |                   |
| <b>Software Engineer (Contract)</b>   | <b><u>Link to Art</u></b> | 01/2024 - 04/2024 |
| <ul style="list-style-type: none"><li>• Successfully integrated multiple APIs, including Stripe for secure payment processing and Clerk for user authentication.</li><li>• Designed and implemented a database schema using MongoDB to efficiently manage user profiles, sales data, and inventory, ensuring scalable storage solutions.</li></ul>  |                           |                   |
| <b>Full-Stack Software Engineer</b>   | <b><u>Kube VX</u></b>     | 04/2023 - 12/2023 |
| <ul style="list-style-type: none"><li>• Developed an Observability Platform for analyzing <b>Kubernetes</b> clusters by implementing <b>Prometheus</b>, <b>Grafana</b>, and <b>Chart.js</b>, streamlining metric visualization, reducing engineer hours in microservice development and scaling.</li><li>• Employed <b>React</b>, <b>Redux</b>, and <b>Material UI</b> to improve project efficiency, reducing rendering complexities and enhancing data management, achieving a 20% improvement in page loading times.</li><li>• Utilized <b>Node.js</b>, <b>Express</b>, and <b>Prometheus</b> 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.</li><li>• Improved scalability by leveraging <b>MongoDB's</b> low-latency queries for efficient performance and accommodating growing data demands.</li><li>• Engineered the <b>AI Kubernetes Assistant</b>, achieving a 95% accuracy rate in initial testing by leveraging Node.js to integrate with our REST Third Party Integration System for infrastructure analysis.</li><li>• Incorporated third-party encryption libraries, cookie authentication, and Google <b>OAuth</b> to ensure the security of sensitive user data.</li><li>• Integrated <b>Chart.js</b> for its responsiveness and diverse chart types, enabling users to personalize charts by selecting from a query list with over 300 options.</li></ul> |                           |                   |
| <b>Business Development   Office Manager</b>  | <b><u>Endevio</u></b>     | 09/2020 - 02/2023 |
| <ul style="list-style-type: none"><li>• Led cross-functional teams, improving project delivery by 20% and enhancing inter-departmental communication by 15%, as evaluated through KPIs.</li><li>• 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.</li></ul>  |                           |                   |

## Projects

- |  |   |
|--|---|
| <b>Software Engineer</b>   | <b><u>Cerebella - AI Tutor App</u></b>      |
| <ul style="list-style-type: none"><li>• Implemented a backend server with <b>Node.js/Express</b> to seamlessly integrate with OpenAI API, utilizing its asynchronous and lightweight architecture for efficient data retrieval and processing, ensuring swift and responsive interactions with the AI tutor.</li><li>• Conducted unit testing using <b>Jest</b> for backend and <b>React Testing Library</b> for frontend validation to ensure repeatable, guaranteed behavior of components and routes for a consistent user interface.</li></ul> |   |
| <b>Software Engineer</b>   | <b><u>Rendez View - Meeting Planner</u></b> |
| <ul style="list-style-type: none"><li>• Developed, and maintained code for the website primarily using <b>HTML</b>, <b>CSS</b>, <b>Sass</b>, <b>JavaScript</b>, and <b>jQuery</b>.</li><li>• Implemented <b>PostgreSQL</b> for the app's backend, efficiently managing event, organizer, and invitee availability relationships through an SQL database for streamlined coordination and improved user experience.</li></ul>   |   |

## 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](#)