

PHILIP LANE

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PROFESSIONAL SUMMARY

A seasoned Full Stack Web Developer, I possess over six years of experience crafting sophisticated web solutions highlighted by my work at the Gemological Institute of America where I delivered key projects including the Report Check Version 3 and the Inscription Matching Dashboard. Skilled in a broad spectrum of technologies, I excel in both frontend and backend development. With an academic foundation from the University of San Diego, complemented by several technical certifications and training programs, I am deeply committed to lifelong learning and innovative problem-solving. Leveraging my interdisciplinary background and technical expertise, I bring valuable insights to diverse tech environments, contributing to impactful and user-centric solutions.

CORE QUALIFICATIONS

- **Full Stack Development:** Proficient in both frontend and backend technologies, capable of developing and deploying scalable web applications from end to end with particular expertise in React, Vue, and serverless architectures.
- **UI/UX:** Demonstrated success in transforming static visual designs into dynamic, accessible, and highly interactive experiences using modern JavaScript frameworks. Proficient in implementing responsive, mobile-friendly layouts with WCAG compliance. Expert at optimizing build processes and performance metrics through advanced bundling tools.
- **Cloud Computing:** Experience with AWS cloud services, including serverless architecture and Lambda functions, enabling efficient deployment and management of scalable web applications.

TECHNICAL SKILLS

- **Languages:** HTML | CSS | JavaScript | TypeScript | Java | Groovy
- **Web Development Technologies:** React | Vue | Web Components | Templating Engines | Java Server Pages
- **Databases:** MongoDB | AWS Dynamo DB
- **Tools & Bundlers:** Git | Vite | Webpack | Gulp | Grunt
- **Accessibility & User Experience:** Web Content Accessibility Guidelines (WCAG 2.1) | Responsive Design
- **Content Management Systems:** Oracle WebCenter Sites
- **Cloud & CRM:** AWS Cloud | Salesforce
- **Testing Tools:** Mocha | Chai | Jest
- **Documentation & Project Management:** Confluence & Jira | JSDoc | JavaDoc

AREAS OF EXPERTISE

Responsive Design | UI/UX Principles | Web Accessibility | Cross-Browser Compatibility | Frontend Architecture | Performance Tuning | Agile Methodologies | Project Management | Communication

WORK EXPERIENCE

Gemological Institute of America
Full Stack Web Developer

San Diego, CA
2019 - 2024

- Technical lead on the transformative 'Report Check Version 3' project, architecting a complete rebuild with React.js and AWS services that slashed loading times—reducing Largest Contentful Paint (LCP) by 60% to 1.6 seconds—while enhancing user engagement and accessibility.
- Spearheaded the establishment of GIA's digital presence in China by leading the technical development and launch of the GIA Hong Kong website. Implemented responsive design and interactive features resulting in a robust platform that captured 10,000+ unique visitors within the first quarter.
- Contributed to the 'Inscription Matching Dashboard' as a Technical Lead, implementing an Express.js application with dynamic templating to provide responsive and interactive interfaces powered by MongoDB Atlas. Managed the complete database lifecycle including schema design, performance optimization, security implementation, and regular data exports to support data science initiatives.
- Orchestrated "Corkboard", a serverless API tailored for AWS Lambda, creating the Node.js handler methods as well as a Cloud Formation Template for streamlined deployment, ultimately providing the website with streamlined access to educational data housed in Salesforce.
- Led the technical implementation for the "Education Funnel" project, transforming vendor-provided static designs into dynamic JSP Templates with Vue-powered components in Oracle WebCenter Sites CMS, delivering enhanced content management and multilingual support to simplify educational pathways through targeted interactive elements.
- Resolved hundreds of frontend-related JIRA tickets, many focused on enhancing website accessibility and achieving WCAG 2.0 compliance by leveraging HTML5, CSS and JavaScript solutions to improve layout, functionality, and user experience for visitors with diverse abilities.
- Transformed many static designs curated in Figma into interactive, responsive web sites or applications using core web technologies and/or more advanced JavaScript libraries like React/Preact.
- Implemented efficient build processes to optimize code for production environments by leveraging module bundlers like Webpack and Vite.

Trust & Will

Junior Web Developer

San Diego, CA

2018 - 2019

- Engineered a comprehensive test suite for the Angular-based application using Protractor, meticulously testing everything from user navigation to key features such as payment and document generation thereby improving application reliability and user experience.
- Partnered with the design team to transform a static social login mock-up into a fully integrated web component.
- Conducted thorough user interaction simulations, utilizing JIRA for bug-tracking and documentation, ensuring adherence to company best practices and contributing to improved application stability.
- Contributed to a culture of continuous improvement by consistently identifying, documenting, and solving software issues.

CERTIFICATIONS

- MongoDB Certified Developer, Associate (C100DEV)
- Dell Boomi Professional Integration Developer, 2024
- Dell Boomi Associate Integration Developer, 2019

EDUCATION

UC San Diego, Extended Studies
Full Stack Coding Bootcamp

San Diego, CA
2018

University of San Diego
Bachelor of Arts

San Diego, CA
2012

