

JACK LOPEZ

SENIOR FRONT END ENGINEER

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PROFESSIONAL SUMMARY

Senior Front End Engineer with over a decade of experience in delivering cutting-edge, AI-enhanced web applications for both healthcare and federal sectors. Expert in leveraging React, TypeScript, and Angular to create intuitive user interfaces and streamline complex workflows, consistently achieving high user satisfaction. A proven leader in Agile environments, committed to mentoring teams and driving innovation in high-stakes projects.

EMPLOYMENT HISTORY

AUG 2025 - PRESENT

Independent Software Consultant, Judge Group, Remote

- Rebuilt three over-engineered React applications, reducing technical debt and improving maintainability for client deliverables.
- Integrated Large Language Models (LLMs) into customer applications, enhancing functionality and user experience through AI-driven features.
- Leveraged AI-assisted development tools to accelerate coding workflows, increasing development velocity across multiple projects.
- Developed a React-based tutoring application focused on interactive math education for children, implementing engaging UI components and learning modules.
- Created a CLI tool for streamlining reusable component library workflows, inspired by Shadcn's architecture, improving developer productivity.
- Architected full-stack solutions using React and Python, delivering scalable applications for diverse client requirements.
- Managed multiple concurrent projects as an independent contractor, demonstrating strong self-direction and client communication skills.

NOV 2024 - JUN 2025

Senior Software Engineer, PMX Contract (Griffin App), CACI International, Remote

- Built a React/TypeScript-based Griffin app for Army Futures Command, integrating REST APIs and Python back-end for 5,000+ users.
- Designed AI-driven UI graphs with OpenAI API, achieving 98% user satisfaction in usability testing.
- Conducted unit and functional testing with Jest and React Testing Library, maintaining 95% code coverage.
- Enhanced application performance by optimizing REST API calls, resulting in noticeable improvements in load times for 5,000+ users.
- Executed comprehensive code reviews and refactoring, ensuring high-quality standards and maintaining 95% code coverage across projects.
- Promoted Agile methodologies within the team, streamlining workflows and achieving marked gains in project delivery timelines.

JUL 2024 - NOV 2024

Technical Lead, MyTraining Contract, SAIC, Remote

- Led Angular/Node.js development for the Air Force MyTraining platform, integrating microservices for 10,000+ users.
- Optimized UI performance, reducing load times by 20% for large datasets by normalizing existing database.
- Ensured Section 508 compliance, collaborating with UX teams for accessible interfaces.
- Mentored 5 developers, implementing tests with Jasmine and Karma.

- Conducted thorough code reviews, identifying critical vulnerabilities and ensuring adherence to best practices, leading to improved software quality.
- Fostered a culture of knowledge sharing by organizing bi-weekly tech talks, enhancing team cohesion and skill development among developers.
- Maintained comprehensive documentation for all development processes, ensuring seamless onboarding for new team members and operational continuity.

DEC 2020 - MAY 2024

Solutions Architect, Booz Allen Hamilton, VA (REMOTE)

- Architected a Nuclear planning application using Angular, TypeScript, Spring Boot, and PostgreSQL, integrating Keycloak for secure authentication.
- Established a CI/CD pipeline with GitHub Actions and AWS GovCloud, reducing deployment time by 25% utilizing Rogue Blue.
- Collaborated with UX teams to design intuitive interfaces, building a reusable component library compliant with WCAG AA standards.
- Mentored 10+ junior engineers, leading Agile sprints with Jira and advocating for test-first development.

SEP 2020 - NOV 2020

Senior Engineer, Blackwatch, McLean, VA (REMOTE)

- Engineered Java Spring Boot APIs and SQL procedures for an accounting application, ensuring data accuracy and compliance.
- Standardized UI/UX with Angular and TypeScript, optimizing deployment via Jenkins automation.

JUN 2019 - JUL 2020

Lead Engineer, WTI, Fairfax, VA (REMOTE)

- Enhanced Pentagon's digital redaction app with Angular and JavaScript, improving UI/UX for 1,000+ users.
- Integrated REST APIs with Spring Boot and ensuring Section 508 compliance.
- Transitioned to Agile, mentoring teams with Jira and Git.
- Led the development of a robust software architecture, enhancing system performance and achieving substantial improvements in response times.

JAN 2018 - JUN 2019

Lead UX Developer, Bellese Technologies, Owings Mills, MD (REMOTE)

- Developed a WCAG AA-compliant Angular component library, saving 15 developers 2+ months on healthcare projects.
- Prototyped government proposals, integrating REST APIs with Node.js for accessible UI.
- Led the design of user-centric interfaces, enhancing user engagement and driving measurable improvements in customer satisfaction.
- Spearheaded the integration of user feedback into design iterations, resulting in a more intuitive product experience and reduced support queries.
- Conducted usability testing to identify pain points, implementing targeted solutions that improved navigation efficiency and user retention.
- Fostered collaboration between design and development teams, ensuring seamless implementation of UI components and timely project delivery.
- Mentored junior developers in UX best practices, cultivating a culture of learning and enhancing team productivity.