

Lee Paulison Jr

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Front-End Developer | Accessibility | Specialized Front-End Systems

Front-End Developer with nearly five years of experience building React-based e-learning and training applications. Built and maintained a multilingual training application supporting 57 instructional modules across Arabic, Korean, and Russian language programs with an accessible user interface compliant with WCAG 2.1 AA and Section 508a. Developed a Section 508a-compliant virtual keyboard independent of physical keyboard layouts, including an integration layer for a Hangul IME supporting Korean language instruction. Most recently, developed a client-side content management and revision reporting application that replaced a manual CMS content editing process, allowing instructional teams to edit system-generated training content, compare revisions, and generate print-ready reports.

CORE COMPETENCIES

React Development	WCAG 2.1 AA	UI Component Design
JavaScript	Section 508a	Tailwind CSS
Next.js	ARIA Implementation	Bootstrap
GraphQL	Responsive Design	Technical Documentation
Redux Toolkit	Jest Testing	Cross-Functional Collaboration
Accessibility Compliance	React Testing Library	Agile Development

PROFESSIONAL EXPERIENCE

Advanced Automation Corporation

Front-End Developer

Remote

Oct 2022 – Jun 2024, Oct 2024 – Jun 2026

Delivered and maintained a multilingual React-based training application supporting 57 instructional modules across Arabic, Korean, and Russian language programs. Re-engaged for a second contract term based on prior performance and domain expertise.

- Built and maintained a multilingual React application with an accessible user interface compliant with WCAG 2.1 AA and Section 508a.
- Led efforts to bring the application into WCAG 2.1 AA and Section 508a compliance, developing accessible user interfaces supporting screen readers, keyboard navigation, and assistive technologies.
- Developed a Section 508a-compliant virtual keyboard independent of physical keyboard layouts, including an integration layer for a Hangul IME supporting Korean language instruction.
- Developed a client-side content management and revision reporting application that replaced a manual CMS content editing process, allowing instructional teams to edit system-generated training content, compare revisions, and generate print-ready reports.
- Implemented automated testing using Jest and React Testing Library to validate component behavior, accessibility requirements, and keyboard interactions.
- Collaborated closely with instructional designers, subject matter experts, QA teams, and leadership stakeholders throughout the development lifecycle.

Supported the delivery of responsive training and educational websites for government and commercial training programs.

- Built and optimized responsive e-learning websites, improving performance and overall user experience.
- Delivered more than 60 landing pages while maintaining consistent branding and usability standards.
- Collaborated with UX and visual designers to transform complex designs into production-ready web experiences.
- Contributed to accessibility-conscious front-end implementations across multiple training initiatives.

EDUCATION

Bachelor of Science, Simulation & Visualization

Full Sail University – Winter Park, Florida

Feb 2020

- Salutatorian
- Course Directors Award

TECHNICAL PROJECTS

AspAlre – AI-Powered Job Search Platform

- Developing a personal job search platform integrating AI-assisted resume analysis, interview preparation, and application management workflows.
- Utilizing Next.js, GraphQL, PostgreSQL, MongoDB, OpenAI APIs, AWS S3, Tailwind CSS, and ShadCN.

Saigely – Developer-Focused AI Assistant

- Building an AI platform focused on developer productivity, conversation management, and documentation support.
- Implementing authentication, GraphQL APIs, SQL-Lite & MongoDB persistence, WebSocket streaming, and customizable user preferences.