

Jay Lee

Frontend Engineer

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PROFESSIONAL SUMMARY

Developer with a strong foundation in high-stakes technical operations, now building enterprise web applications at AWS. Expertise in TypeScript, React, and modern UI systems, with a proven ability to deliver critical features like live resource visualization and split-panel layouts. Passionate about mastering new technologies quickly and adding structure to ambiguous engineering challenges in fast-paced environments.

SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frameworks: React.js, Next.js, Redux

UI & Design: Cloudscape Design System, Material UI, Responsive Design, Figma

Testing & Tools: Jest (Unit/Integration Testing), Git, CI/CD, REST APIs, AWS

Accessibility: WCAG 2.1/2.2, WAI-ARIA, Semantic HTML, Accessibility Testing (VoiceOver)

WORK EXPERIENCE

Amazon Web Services (AWS)

Dec 2024 - Present

Seattle, WA

Frontend Engineer

- **Engineered a responsive custom split panel** for the CloudFormation Console to resolve the top-reported customer feedback issue, significantly optimizing screen real estate and adaptive layout behavior.
- **Migrated 600+ files to the latest Cloudscape design system** in just 4 days, modernizing UI patterns while driving measurable improvements in component performance and rendering speed.
- **Led a comprehensive accessibility campaign** resolving 230+ WCAG 2.1/2.2 violations, implementing semantic HTML, ARIA roles, and keyboard navigation to align with Amazon standards.
- **Delivered the frontend strategy** for the AWS Proton service deprecation, creating global notification banners, sunset landing pages, and logic-based access restrictions to manage the user lifecycle.
- **Resolved 50+ backlogged tickets and console errors** by refactoring UI components, establishing robust error handling patterns, and ensuring clean, stable runtime behavior.
- **Accelerated feature development** by creating interactive Figma prototypes and proofs-of-concept, facilitating faster alignment between UX, Product, and Engineering on complex console interactions.
- **Collaborated cross-functionally** with UX designers, Product Managers, and Backend Engineers to deliver scalable, seamless user interfaces that support high-volume enterprise workloads.

Amazon Prime Air

Sep 2019 - Dec 2024

Seattle, WA

Lead Drone Maintenance Technician

- Supported and operated mission-critical systems in regulated environments, collaborating with engineers to diagnose issues and validate fixes.
- Worked extensively in Linux-based environments, following strict safety, security, and operational standards.

Additional Technical Experience

Textron Systems - Site Lead | Flight Crew | UAS Maintenance Tech

Apr 2012 - Sep 2019

Afghanistan

U.S. Army - UAS Operator | Aircraft Commander

South Korea & JBLM, WA

- Led UAS flight and maintenance operations for safety-critical systems, managing multi-million-dollar equipment and sustaining continuous mission readiness.
- Logged 1,000+ accident-free flight hours across multiple UAS platforms and completed 150+ successful missions as Aircraft Commander.
- Trained and certified 25+ personnel on UAS simulators, safety procedures, and operational readiness standards.

EDUCATION

Certificate of Completion in Software Engineering

General Assembly

Remote • Aug 2023

Intensive software engineering program with a focus on JavaScript, HTML/CSS, React fundamentals, databases (PostgreSQL, MongoDB), and agile development practices.

Associate of Science, UAV Flight Operator

Cochise College

Sierra Vista, AZ • Jun 2013