Preston Jones

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SENIOR / STAFF SOFTWARE ENGINEER | FRONTEND ARCHITECTURE | REACT • TYPESCRIPT • NODE.JS • AWS

PROFESSIONAL SUMMARY

Senior software engineer and technical lead with 20+ years of experience designing and delivering web platforms in high-scale and regulated environments. Deep expertise in React, TypeScript, frontend architecture, Node.js, and AWS, with a track record of modernizing legacy systems, replacing third-party platforms, establishing engineering standards, and leading teams at Amazon, Capital One, and CoBank.

TECHNICAL SKILLS

Frontend: React, TypeScript, JavaScript, Vue.js, HTML5, CSS3, Vite, MUI, React Router
Backend: Node.js, Express, REST APIs, ASP.NET/C#, Python, PostgreSQL, Microservices
Cloud & Delivery: AWS (Lambda, ECS, DynamoDB, S3, CloudFront, Route 53), Docker, GitHub Actions, CI/CD
Engineering: System Design, Frontend Architecture, Technical Leadership, TDD, Jest, Vitest, React Testing Library, Accessibility/WCAG, Performance Optimization

PROFESSIONAL EXPERIENCE

Lead Software Engineer – CoBank **Jan 2025 – Sep 2026**

- Architected and built a React/TypeScript SPA replacing a third-party collateral management platform, bringing mission-critical loan workflows in-house and reducing long-term vendor dependency.
- Designed Node.js/Express/tsoa REST APIs and PostgreSQL data-access patterns on AWS, defining service contracts, validation, and backend conventions for the new platform.
- Drove cross-functional technical decisions with product, business, and backend stakeholders to modernize internal financial systems supporting large-scale loan operations.
- Owned technical direction across frontend and API boundaries for the replacement platform, prioritizing maintainability, reliability, and long-term internal ownership.

Lead Engineer – Capital One **Jan 2024 – Sep 2024**

- Designed and delivered Vue.js/TypeScript applications integrated with Node.js REST APIs on AWS ECS for regulated internal workflows.
- Built automated logging, validation, and monitoring pipelines supporting regulatory and compliance requirements while reducing manual review effort.
- Led an Agile team of 3–5 engineers and implemented GitHub Actions CI/CD, improving release consistency and shortening deployment cycles.

Senior Software Engineer – Cavallo **Nov 2022 – Sep 2023**

- Led development of multiple React/TypeScript SPAs and architected a shared component library, reducing UI duplication and accelerating delivery across teams.
- Optimized Node.js microservices on AWS Lambda to improve API responsiveness and support near-real-time data synchronization.
- Drove frontend architecture standards for performance, maintainability, and accessibility across product development.

Front End Engineer II – Amazon **Oct 2020 – Nov 2022**

- Built and scaled a global React/TypeScript SPA used across Amazon's PXT organization.
- Improved frontend performance through code-splitting, lazy loading, and AWS CloudFront caching strategies.
- Established WCAG accessibility standards and automated testing practices across multiple features and teams.

Software Development Engineer II – Amazon **Nov 2019 – Oct 2020**

- Built a React querying interface for Alexa Local Search integrated with Node.js services and DynamoDB.
- Developed automated data validation and anomaly detection processes to improve service reliability.
- Contributed to scalable system designs capable of handling high traffic volumes and sudden load spikes.

Development Team Lead – TEKsystems (Procare) **Nov 2018 – Oct 2019**

- Led delivery of a React/ASP.NET SPA, introducing reusable UI components and frontend standards.
- Mentored developers in TDD and accessibility, improving code quality and development efficiency.

Senior Software Engineer – Comcast **Oct 2016 – Nov 2018**

- Served as primary developer for internal sales and customer-support applications using ASP.NET MVC/Web API, JavaScript/TypeScript, React, Knockout, and CSS/SCSS.

Earlier Professional Experience – Multiple Companies **2001 – 2016**

- Full-stack software engineering roles delivering scalable web applications across multiple industries.

EDUCATION

Florida Southern College | Bachelor of Science in Computer Science | 2002