

Alex Tran

(959) 207-5116

Sterling, VA

alex.trn1212@gmail.com

Summary

- Software Engineer with 5+ years of experience delivering scalable internal tools and customer-facing applications.
 - Specializes in front-end development includes web development using modern front-end technologies such as React, React Native, Redux, React Router, HTML/HTML5, CSS/CSS3, JavaScript, Node.js, DOM, Bootstrap, ES6, JSON, Webpack, Ajax, TypeScript, Babel, and so forth.
 - Proficient in building responsive designs, WCAG compliance accessible interfaces, and performance-optimized UIs, leveraging React Hooks, custom hooks, and Redux middleware (Redux Thunk, RTK Query) for efficient state management and data caching.
 - Hands-on experience with test-driven development (TDD), including unit testing, component testing, and end-to-end (e2e) testing using Jest, React Testing Library, Detox, and Cypress.
 - Experienced in designing and developing RESTful APIs with Node.js, Express.js, and PostgreSQL, implementing Express middleware for logging, security, and CORS management.
 - Collaborative team player with Agile experience across enterprise teams, skilled in turning Figma designs into pixel-perfect UI components and streamlining cross-functional workflows.
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Technical Skills

Programming languages: JavaScript, TypeScript, Java, Python, C#

Frontend (Web & Mobile): React, React Native, Angular, Redux, Redux Toolkit, React Router, Tailwind CSS, NativeWind, React Navigation, Styled Components, HTML5, CSS3, Bootstrap

Backend: Node.js, Express.js, Java Spring Boot, PostgreSQL, MongoDB

Testing: Jest, React Testing Library, Detox, Cypress, Storybook, ESLint

Tools & Other: Git, Bitbucket, GitHub, Jira, Postman, Figma, AWS, Axe DevTools, Jenkins, Bitrise, Fastlane, AsyncStorage, RESTful APIs, Agile methodologies

WORK EXPERIENCE

Neumann USA

Software Engineer

June 2023-Current

New London, CT

Project: AssetFlow – An internal web platform designed to streamline AV equipment inventory management, track asset location and usage history, and automate service requests. The system reduced manual reporting time by over 40% and improved cross-team asset visibility.

- Developed a responsive dashboard UI with **React**, **TypeScript**, **CSS** Modules, and **Figma** design handoffs, including interactive components such as sortable tables, popup modals, and real-time search filters for AV equipment tracking.

- Implemented **React Router** with nested routes and route guards to support modular navigation and secure access to equipment status, history, and maintenance logs.
- Architected and maintained scalable application state using **Redux Toolkit** with RTK Query for data caching and **Redux Thunk** for async logic, optimizing API interactions and improving load speed by 30% on key asset views.
- Created dynamic forms with controlled components and built-in validation using React Hook Form, enhancing user input experience for asset creation and maintenance workflows.
- Wrote unit and component tests using **Jest**, **React Testing Library**, and msw (Mock Service Worker), validating complex UI logic and reducing frontend regression bugs by 40%.
- Developed RESTful API endpoints using **Node.js** and **Express** to handle core business logic including inventory data retrieval and update, maintenance scheduling, and equipment assignment workflows.
- Connected backend services to a **PostgreSQL** database using the pg client, writing secure, parameterized queries to fetch, insert, and update equipment data across multiple system modules.
- Optimized rendering performance through memorization techniques with React.memo and useMemo and implemented code splitting with React.lazy and Suspense for module-based loading.
- Led accessibility audits using Axe DevTools and ensured WCAG-compliant interfaces with semantic HTML and ARIA roles, achieving Level AA accessibility standards.
- Collaborated closely with designers via Figma prototypes, provided feedback on UI consistency, and translated design specs into pixel-perfect, cross-browser-compatible components.
- Followed Agile methodology with daily standups, story grooming, and retrospectives, while maintaining clean version history and PR reviews on GitHub with GitHub Actions for automated frontend builds.

Captrust

July 2022-May 2023

Frontend Engineer

Remote

Project: OnboardFlow – An internal mobile app designed to streamline client intake, risk assessment, and document generation for advisors and consultants. The app automated compliance workflows, improved internal tracking, and integrated with third-party custodial platforms.

- Built dynamic, form-driven mobile interfaces using **React Native**, **TypeScript**, and **Styled Components**, including multi-step onboarding flows, real-time validation, and advisor-specific client profiles.
- Developed custom reusable UI components using **React Native hooks**, **custom hooks**, and **context API**, enabling scalable and maintainable state handling across KYC, risk profiling, and investment preference modules.
- Integrated **React Navigation** for authenticated routing, nested stack flows, and deep linking support, allowing advisors to open specific client records directly from emails or push notifications.
- Implemented PDF generation and document preview features using libraries like **react-native-pdf-lib**, dynamically injecting client data for compliance forms and agreements.
- Conducted end-to-end testing with **Detox**, ensuring reliability of user flows on both iOS and Android devices and minimizing regressions before release.
- Ensured full responsive design across multiple device sizes (iOS and Android), with a focus on accessibility (a11y) and smooth gesture interactions.

- Collaborated with backend engineers to integrate REST APIs for client data retrieval and compliance checks, and implemented secure storage using **AsyncStorage** for sensitive onboarding progress.
- Contributed to CI/CD pipelines for mobile builds using **Bitrise** and **Fastlane**, supporting automated testing, code signing, and deployment to TestFlight and Google Play internal testing tracks.
- Assisted in publishing the app to Apple App Store (TestFlight for internal distribution) and Google Play Console, working closely with mobile ops and compliance teams to coordinate releases.
- Worked closely with advisors and onboarding specialists during UAT to gather feedback and refine mobile UX, reducing training needs and minimizing onboarding errors.
- Used Git and Bitbucket for version control and contributed to Jenkins CI/CD pipelines, integrating ESLint for code quality enforcement and Jest for component and integration test verification.
- Participated in scrum ceremonies, demoed new features during sprint reviews, and maintained shared mobile UI component documentation for consistency across the team.

akaBot June 2020-March 2022
Software Engineer *Remote*

Project: AgentIQ Portal – A client-facing application designed to manage and monitor automation agents. The platform enables users to configure bots, schedule tasks, track performance analytics, and manage workflows across departments in real time.

- Developed feature-rich frontend interfaces using **Angular**, **TypeScript**, **RxJS**, and **SCSS**, ensuring reactive user experiences for managing workflows and bots.
- Created reusable Angular components and services for modules like bot deployment, agent health status, and workflow orchestration.
- Implemented secure routing and lazy-loaded modules using **Angular Router** to optimize initial load time and enforce access control.
- Built form-intensive UIs using **Reactive Forms** with dynamic validation for configuring agent settings and triggers
- Integrated with backend APIs developed in **Java Spring Boot**, utilizing RESTful endpoints to manage bots, logs, and execution status.
- Followed Agile methodology with two-week sprints, participated in backlog grooming, and contributed to deployment cycles using Git, GitHub, and CI/CD pipelines via **Jenkins**.
- Prioritized cross-browser compatibility, accessibility compliance, and responsive design using Angular Material and Flex Layout.

EDUCATION

Connecticut College
 B.A in Computer Science

New London, CT
 GPA: 3.87/4