

Alex Tran

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Sterling, VA

[Portfolio](#)

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Summary

- Software Engineer with around **7 years of experience** delivering scalable internal tools and customer-facing applications across fintech, enterprise automation, and education technology.
 - Specialized in frontend development with expertise in **React** and **React Native**, building responsive and accessible user interfaces using Redux Toolkit, React Router, TypeScript, JavaScript and CSS.
 - Proficient in architecting robust state management and API interaction layers using **Redux** middleware (RTK Query, Redux Thunk), React Query and custom hooks.
 - 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, developing and integrating RESTful APIs with **Node.js**, **Express.js**, **Spring**, and **PostgreSQL**, implementing Express middleware for logging, security, and CORS management.
 - Familiar with the full Software Development Life Cycle (SDLC), including requirements analysis, design, development, testing, code reviews, and iterative delivery in Agile environments.
 - 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, Vue.js, 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 onboarding platform designed to streamline client intake, risk assessment, and document generation for wealth advisors and consultants. The system automated compliance workflows, improved internal tracking, and integrated with third-party custodial platforms.

- Built dynamic, form-driven UI interfaces using **React**, **TypeScript**, **HTML5**, and **CSS Modules**, including multi-step onboarding flows, real-time validation, and advisor-specific client profiles.
- Managed complex application state using **Redux Toolkit**, with **RTK Query** for efficient API calls and caching, reducing redundant API traffic by 40%.
- Developed reusable components and custom hooks for modular UI logic and improved maintainability across the onboarding workflow.
- Integrated **React Router** to support authenticated routing and step-based navigation across workflow modules.
- Implemented document templating features that auto-generated PDFs using jsPDF and dynamically populated client data into PDF templates.

- Ensured full responsive design across iPads, desktops, and mobiles using Flexbox, Grid, and cross-browser CSS techniques.
- Collaborated with backend engineers to integrate REST APIs connected to internal CRM systems and compliance tools.
- Wrote unit and integration tests using **Jest** and **React Testing**, achieving 85% test coverage on key modules.
- Helped deliver the mobile version using **React Native** and **TypeScript**, extending better platform reach to 100+ advisors using iOS/Android devices.
- Reused shared logic and state via **Redux Toolkit** and custom hooks, reducing code duplication by 40%.
- Used **AsyncStorage** for securely caching onboarding state and user context locally.
- Conducted end-to-end testing with Detox and supported deployment to TestFlight and Google Play Console using Bitrise and Fastlane pipelines.

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.

TMA Solutions March 2019-April 2020
Web Developer Intern *Vietnam*

Project: A lightweight Learning Management System built for training teams to track employee course progress, assessments, and certifications

- Contributed to the development of an internal web platform used by corporate training teams to manage course materials, assign learning paths, and monitor progress across departments.
- Built responsive and modular UI components using **React**, **JavaScript**, and **CSS Modules**, following reusable patterns to support features like progress bars, quizzes, and certificate previews.
- Assisted in building stateful components and managing shared state across the app using **Context API**, learning best practices for component composition and prop drilling mitigation.

- Collaborated with senior developers to integrate REST APIs using axios, rendering dynamic content such as user learning paths and quiz results.
- Wrote utility functions and helper components to support file uploads (PDFs, Docs) and image previews within course material sections.
- Participated in sprint planning and daily standups, gaining exposure to Agile development and collaborative workflows using Jira and Gitlab.
- Performed debugging and optimization using React DevTools and Chrome DevTools to identify slow renders and unnecessary re-renders in tabular course lists.

EDUCATION

Connecticut College
B.A in Computer Science

New London, CT
GPA: 3.87/4