# ****Alex Carter****

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## ****Frontend Engineer****

Passionate Frontend Developer with 4+ years of experience building responsive, user-friendly web applications using React, TypeScript, and modern CSS frameworks. Strong focus on performance optimization, accessibility, and seamless UX.

### ****Technical Skills****

* **Frontend Frameworks:** React, Next.js, Vue.js, Angular
* **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3/Sass
* **Styling & UI Libraries:** Tailwind CSS, Material-UI, Bootstrap, Styled Components
* **State Management:** Redux, Context API, Zustand
* **Build Tools:** Webpack, Vite, Babel
* **Testing:** Jest, React Testing Library, Cypress
* **Version Control:** Git, GitHub, GitLab
* **APIs & Tools:** REST, GraphQL, Axios, Figma

### ****Professional Experience****

#### ****Frontend Engineer****

**TechVision Inc.** | New York, NY | Mar 2021 – Present

* Developed and maintained a high-traffic e-commerce platform using **React + TypeScript**, improving page load speed by **40%**.
* Led the migration from legacy jQuery code to **Next.js**, enhancing SEO and performance.
* Implemented **Redux Toolkit** for state management, reducing API calls by **30%**.
* Collaborated with UX designers to build a **responsive, WCAG-compliant** UI using **Tailwind CSS**.
* Wrote **unit and integration tests** (Jest + React Testing Library), increasing test coverage to **85%**.

#### ****Junior Frontend Developer****

**WebSolutions LLC** | Boston, MA | Jun 2019 – Feb 2021

* Built reusable **React components** for a SaaS dashboard, cutting development time by **25%**.
* Optimized web performance using **code-splitting and lazy loading**, reducing bundle size by **35%**.
* Integrated **GraphQL** with Apollo Client to streamline data fetching.
* Worked in an Agile team, participating in sprint planning and code reviews.

### ****Education****

**Bachelor of Science in Computer Science**  
Massachusetts Institute of Technology (MIT) | \*2015 – 2019\*

### ****Certifications****

* Google Professional Frontend Developer Certification
* React Nanodegree (Udacity)

### ****Projects****

* **E-Commerce Dashboard (Next.js + TypeScript):** Improved checkout conversion by **20%** with optimized UI.
* **Task Management App (React + Firebase):** Real-time collaborative tool with **JWT authentication**.
* **Portfolio Website (Vue.js + GSAP):** Interactive animations and dark mode toggle.

### ****Open Source Contributions****

* Contributed to **OpenUI5** (SAP’s frontend framework) by fixing accessibility issues.
* Published an **npm package** for animated SVG icons (1K+ weekly downloads).

### ****Key Achievements****

* 🏆 **"Top Performer" Award** at TechVision (2023) for leading a critical migration project.
* 📈 Grew a personal tech blog to **10K+ monthly readers** with tutorials on React hooks.