Arsalan Ahadi

Senior Frontend Engineer

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with 7+ years of experience building responsive, data-intensive applications. Experienced in React architecture, performance optimization, offline workflows, frontend security, and mentoring engineers.

TECHNICAL SKILLS

Languages: HTML5, CSS3, JavaScript, TypeScript, Java, SQL

Frameworks: React.js, Next.js, Angular.js, Node.js

Libraries & Tools: Redux, RTK Query, React Query, Tailwind CSS, Prisma, AWS, Git, AJAX, Figma

PROFESSIONAL EXPERIENCE

T6 Health Systems

Senior Frontend Engineer | Mar 2025 - Present | Remote

- Built and optimized a mission-critical healthcare application with React, TypeScript, and Redux Toolkit for reliable clinical workflows.
- Implemented offline-first storage with IndexedDB and Dexie.js, enabling uninterrupted access to critical patient data in low-connectivity and disconnected environments, with seamless synchronization when connectivity returns.
- Secured sensitive healthcare data with AES-256-GCM encryption, PBKDF2 key derivation, and protected client-side storage to support HIPAA requirements.
- Improved performance and memory efficiency by optimizing data retrieval, reducing decryption overhead, fixing memory leaks, and streamlining synchronization.
- Delivered desktop and mobile applications with Electron and Capacitor, integrating native features and resilient error handling across platforms.

Catalytic Data Science

Frontend Engineer II | Jul 2022 - Mar 2025 | Remote

- Led React and Redux application development for an AI-driven analytics platform, supporting data visualization and bioinformatics workflows.
- Migrated Create React App to Vite and implemented RTK Query API caching to improve build efficiency and application performance.
- Built a React browser extension for research content extraction and a reusable scheduling interface for automated analytics workflows.
- Integrated OAuth2 and Amazon Cognito authentication and authorization to protect sensitive platform data.
- Mentored junior engineers, interviewed candidates, and partnered with product, engineering, and QA to deliver features in an Agile environment.

New York Police Department - Information Technology Unit

Police Officer | Feb 2018 - Jul 2022 | New York, NY

- Built public-facing and internal single-page applications using React, JavaScript, HTML5, and CSS.
- Integrated REST APIs and responsive layouts to present department data in usable interfaces across screen sizes.

M&J Engineering

Web Developer | Oct 2018 - Jun 2020 | Long Island, NY

- Developed and deployed help desk and inventory services integrated with the Snipe-IT REST API.
- Built maintainable React interfaces and mobile-first company websites using HTML and CSS.

EDUCATION

New York City College of Technology | Jun 2020

Bachelor of Technology in Computer Information Systems | Brooklyn, NY