Tia (Tannaz) Shirzadi

Full-Stack Software Engineer | React · Next.js · TypeScript · Node.js

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Summary

Frontend-leaning full-stack engineer with about 6 years of commercial experience in React, Next.js and TypeScript across fintech, banking, Web3, IoT and AI platforms. Experienced in frontend architecture, secure authentication, APIs, testing, performance, stakeholder collaboration, mentoring and code review. Builds end-to-end web products with Node.js and Bun, using AI-assisted workflows with personal review and validation.

Technical Skills

Frontend: React, Next.js (App Router, SSR/SSG), TypeScript, JavaScript (ES6+), React Query, Redux, Apollo Client, Tailwind CSS, Material UI, Ant Design, HTML5, CSS3

Backend & APIs: Node.js, Bun, REST APIs, GraphQL, NextAuth, JWT, Google OAuth, Stripe, Directus (headless CMS)

Architecture & Performance: Frontend architecture, micro-frontends, design systems and component libraries, Turborepo monorepos, web performance, responsive and mobile-first design, accessibility, SEO, i18n

Testing & Delivery: Jest, React Testing Library, Cypress, Playwright, Storybook, CI/CD, GitHub Actions, Docker, Git, Agile

AI-Assisted Development: Claude Code, agentic coding workflows, prompt design, reviewing and validating AI-generated code

Other: Web3 (ethers.js, Web3.js), data visualisation (Leaflet, Chart.js), Figma handoff, Jira

Freelance Experience

Full-Stack Web Developer

Zeapard Devs | Self-employed (ABN) | Melbourne, VIC | Jul 2026 – Present

Build websites and web apps for small businesses. Own design, frontend and backend development, payment integrations, testing and deployment.

- Delivered a Next.js website for OC Pool, a local pool cleaning and maintenance business. Build and deploy portfolio apps using React, TypeScript, Tailwind CSS, Firebase, Stripe and Vercel.

Projects

Millstone | Bakery pickup and recurring orders — concept | Demo · GitHub

- Built a three-branch ordering app with branch-scoped staff/owner access, Melbourne pickup cutoffs, recurring-order generation designed to prevent duplicates, and Stripe test-mode checkout.

Nook | Café ordering and loyalty — concept | Demo · GitHub

- Built customisable ordering, guest/account checkout with Stripe in test mode, Google OAuth, order status tracking, loyalty points, and admin tools for menu, order and loyalty management.

Tulips | Florist e-commerce — concept | Demo · GitHub

- Built a filterable catalogue, customer/admin roles, Stripe test-mode checkout and fulfilment tools; implemented bouquet inventory rules that decrement component stock when bundles are purchased.

Zeapard Devs | Web development business website | Website

- Designed and built the studio website with service packages, project case studies and contact flows that carry the selected package into the enquiry form.

OC Pool | Pool service business website | Website

- Designed and built a service website with service-area information, interactive service descriptions, FAQs and an enquiry form, supported by phone and email contact options.

Commercial Experience

Frontend Engineer

Ako Barsam Maham · Remote (Oct 2023 – Dec 2025)

- Led frontend development across client projects in IoT, financial services, blockchain and AI, delivering web applications, admin dashboards and enterprise interfaces with React, Next.js and TypeScript.
- Shaped frontend architecture, including micro-frontend approaches, rendering strategies, state management patterns and a reusable component system.
- Implemented secure authentication and API integrations with NextAuth, JWT, REST and GraphQL, and automated delivery with Docker and GitHub Actions.
- Worked directly with clients and stakeholders to turn business requirements into scoped, maintainable technical solutions.
- Mentored junior developers, led code reviews, and introduced AI-assisted development workflows across teams.
- Key achievement: Delivered 10+ client projects and improved team development speed by approximately 30% (team estimate) through reusable components and AI-assisted workflows.

Frontend Engineer (Contract)

Windranger Labs · Remote (Feb 2023 – Sep 2023)

- Built features for Web3 products in the Mantle ecosystem with Next.js App Router, TypeScript and Tailwind CSS in a globally distributed team.
- Implemented wallet connection, token interactions and transaction flows using ethers.js and Web3.js.
- Added multilingual support with i18next and CMS-driven content workflows with Directus.
- Improved monorepo workflows and component architecture with Turborepo.
- Key achievement: Reduced content update time by approximately 50% (estimate) through headless CMS integration.

Frontend Developer

Informatics Services Corporation · Tehran (Jun 2021 – Feb 2023)

- Built frontend features for Borna, a blockchain-based banking infrastructure platform supporting token management, KYC workflows and interbank integrations.
- Developed dashboards, authentication flows and transaction interfaces with React, TypeScript and Next.js.
- Created reusable UI components and testing workflows with Storybook, Jest and Cypress.
- Improved performance and frontend security for enterprise financial systems; mentored junior developers and owned features from design to release.
- Key achievement: Reduced UI defects through automated testing on a platform supporting banking operations.

Frontend Developer

SRIco (Soroosh Rayaneh Iranian) · Tehran (Mar 2020 – Mar 2021)

- Built React dashboards and data-driven interfaces for Jalizan, a satellite-based smart-farming platform.
- Visualised agricultural and geospatial data with Leaflet and Chart.js.
- Migrated legacy multi-page JavaScript applications to React single-page applications.
- Key achievement: Migrated 20+ pages to React and reduced page load times by ~30% through SPA architecture and UI optimisation.

Education

Master of Data Science, Deakin University (2026 – Present)

Bachelor of Computer Engineering, Kermanshah University of Technology (2015 – 2019)

Certification: NodeJS – The Complete Guide (MVC, REST APIs, GraphQL), Udemy