# **SERAJ** VAHDATI

SENIOR **SOFTWARE ENGINEER**

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Senior Software Engineer with 12+ years of experience building scalable web applications that serve millions of users. Expert in React, Next.js, and TypeScript, and increasingly full-stack: shipping features across web, iOS, NestJS backends, and LLM/RAG-powered AI services. Heavy user of AI coding tools and agent workflows to deliver faster across the stack. Proven track record of 35%+ performance improvements, design systems, test automation, and leading cross-functional teams at Felixin, Setflow, Goki, and Omid Analyzer.

**Frontend Frameworks & Libraries:** React Next.js TypeScript JavaScript Redux Zustand TanStack Query GraphQL PWA i18n & RTL

**AI & LLM:** LLM Integration RAG LangGraph FastAPI AI Coding Agents

**Mobile:** Swift UIKit SnapKit

**Testing & Quality Assurance:** Playwright Cypress Jest Vitest

**Styling & UI Libraries:** Tailwind CSS shadcn/ui Styled-Components

**Development Tools:** Git Docker GitHub Actions Dokploy Turborepo pnpm Webpack Linux

**Backend & Database:** Node.js NestJS Express.js TypeORM BullMQ Server-Sent Events Passkeys (WebAuthn) Python Django PHP PostgreSQL Redis

**Languages:** English (Professional) Persian (Native) Kurdish (Native)

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## Experience

### Felixin | Senior Software Engineer | Sep 2024 - Nov 2026 | United States (Remote)

- Architected and implemented project structure for company projects, establishing best practices and scalable architecture for long-term maintainability.
- Developed the app.webcentriq.com platform using Next.js, Tailwind CSS, and shadcn/ui, delivering a modern and responsive user experience.
- Implemented a comprehensive end-to-end testing suite for Scaleward using Playwright, ensuring robust test coverage and improved code quality.
- ProMom (pregnancy & parenting app): full-stack across web, iOS, backend, and AI in a large-scale monorepo, 900+ commits.
  - Web (Next.js 16, React 19, TypeScript, Tailwind CSS 4): led the redesign of BellySafe, the app's food-safety checker (search, infinite-scroll history, food detail pages); built breadcrumbs, notification controls, and an account-reactivation flow.
  - Profile redesign (iOS): led the end-to-end rebuild of the Profile experience: new Profile Home, My Cycle, My Pregnancy and My Postpartum screens, settings and preferences, Face ID sign-in, and data export.
  - iOS (Swift, UIKit, SnapKit, MVVM-C): built the BellySafe results experience and Baby Tracker growth, temperature, and pumping features, including restructuring them into dedicated modules.
  - AI (Python, FastAPI, LangGraph, RAG): built BellySafe's AI analysis engine with source-grounded verdicts, stage-aware retrieval, a food taxonomy, and photo-based food identification.
  - Backend (NestJS, TypeORM, PostgreSQL, Redis/Bull): REST APIs, database migrations, validation, and performance work.
- Developed reusable UI systems, feature-based architecture with TanStack Query and Zustand, and centralized API service layers with OpenAPI type generation; kept web and iOS at feature parity.
- Used AI coding tools and agent workflows as a core part of daily development; set up the team's AI-assisted workflow and led knowledge-sharing sessions on AI tools and testing best practices.
- Optimized application performance through code splitting, lazy loading, and bundle optimization, improving load times significantly.

### Peleahani | Full-Stack Developer | 2026 | Tehran, Iran

- Owned a production B2B and B2C gold trading platform in Iran end to end: architecture, frontend, backend and DevOps.
- Turborepo + pnpm monorepo with a customer PWA and an admin panel (Next.js 16, React 19, strict TypeScript, Tailwind CSS v4 + shadcn/ui with logical properties for RTL) and shared UI kit, API layer, i18n and PWA packages; API types generated from the backend's OpenAPI spec.
- Backend on NestJS 11, TypeORM and PostgreSQL; Redis for caching, pub/sub and real-time fan-out; BullMQ jobs in a separate worker; Server-Sent Events stream live prices, orders and remittances.

- Live trading of molten gold, coins and silver against prices from several dealers, with every order checked against the customer's credit and balance; trades, transfers and fees post automatically to the merchant's accounting system with balance reconciliation.
- Security: httpOnly JWT with refresh-token rotation and reuse detection, SMS OTP and passkey (WebAuthn) login, and role- and permission-based admin access.
- DevOps: GitHub Actions builds Docker images to GHCR and Dokploy deploys them with health checks and automatic migrations; weekly backups and Pino logging. Built for Iran's networks with self-hosted assets and Persian RTL throughout.

### Setflow | Senior Front End Engineer | Jul 2023 - Sep 2024 | Milan, Italy (Remote)

- Architected and implemented an authentication system, resulting in a 15% improvement in application load time and enhanced security.
- Developed advanced Annotation and Map components with real-time collaboration features, enhancing user interaction and workflow efficiency.
- Engineered new features using Next.js, TypeScript, and shadcn/ui, following modern design patterns and best practices.

### Goki | Senior Front End Engineer | Jun 2022 - Jul 2023 | Sydney, Australia (Remote)

- Developed and shipped new features using React.js, TypeScript, styled-components, and Ant Design, improving user experience and platform capabilities.
- Optimized API integration logic by implementing a Universal API Consumer (UAC), reducing code duplication and improving maintainability.
- Refactored a legacy codebase to modern React patterns, improving code maintainability, readability, and team velocity.
- Conducted 100+ code reviews, maintaining 95% adherence to coding standards and mentoring junior developers.

### Omid Analyzer | Senior Front End Engineer | Mar 2020 - Jun 2022 | Tehran, Iran

- Led development, redesign, and maintenance of all front-end products using React.js, TypeScript, Redux, Webpack, and ES6, serving thousands of daily users.
- Built a comprehensive Design System from scratch, improving developer experience and reducing development costs by 20%.
- Established and championed Git Flow best practices, component architecture standards, and clean code principles across the team.
- Led a product redesign initiative using Sketch, improving user satisfaction and interface consistency.

### LogicKit | Lead Front End Developer | Nov 2018 - Apr 2020 | Los Angeles, USA (Remote)

- Managed and mentored a team of 3 Front End Developers, establishing code standards and conducting regular code reviews.
- Led a complete website rewrite, resulting in a 35% increase in sales conversion and improved user engagement.
- Architected and maintained a UI Kit package library with React, TypeScript, and Styled-Components, enabling consistent design across products.
- Implemented robust state management using Apollo GraphQL and Redux for complex, data-driven user interfaces.
- Optimized the build pipeline by migrating from Create React App to a custom Webpack configuration, reducing bundle size and build times.

### Bimebazar | Front End Developer | May 2016 - Oct 2018 | Tehran, Iran

- Led the complete migration from a legacy HTML, CSS, and jQuery codebase to a modern React, Redux, and Webpack stack, achieving a 50% performance improvement.
- Optimized Core Web Vitals metrics including LCP and CLS, resulting in a 40% improvement in user experience scores.
- Led a product redesign initiative using Sketch, modernizing the user interface and improving conversion rates.

### Karina Mobile Solutions | Front End Developer & User Interface Designer | Jan 2012 - Feb 2014 | Tehran, Iran

- Designed CSS templates for use across all website pages, working with CSS backgrounds, positioning, text, borders, margins, padding, and tables.
- Applied optimization techniques to reduce page size and load times, enhancing user experience using sprites.
- Developed user interfaces using HTML, CSS, jQuery, JavaScript, and WordPress.

### Freelance | Web Developer & User Interface Designer | Aug 2008 - Jan 2012 | Tehran, Iran

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**Azad University** Bachelor - Software Engineering 09/2015 – 05/2017

**Raja University** Associate Degree - Software Engineering 01/2013 – 05/2015