DHANSURRYA S P

Frontend Engineer | React.js | JavaScript | UI Engineering | AI-Powered Applications

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PROFESSIONAL SUMMARY

Frontend engineer with 4 years of professional experience building responsive, accessible, production web interfaces for global brands, digital agencies and healthcare-technology companies. Works daily in modern JavaScript (ES6+), TypeScript and React, translating Figma designs, user journeys and wireframes into pixel-accurate, cross-browser UI built from reusable components. Recently shipped a multi-tenant, embeddable AI assistant (React, TypeScript, Server-Sent Events streaming, LLM APIs, retrieval-augmented generation) configured for four brand websites and live in production, and the React/TypeScript frontend of an internal data platform with automated tests in CI. Brings a performance-minded approach (code splitting, lazy loading, bundle analysis, asset optimization), practical accessibility (semantic HTML, WAI-ARIA, keyboard support) and daily use of AI-assisted development tools, and collaborates closely with designers, product owners and backend engineers.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS/Sass, PHP, Python (basic)

Frameworks & Libraries: React.js (Hooks, Context API and custom hooks for state management, React Router), Tailwind CSS, Framer Motion, Bootstrap; working experience with Angular and Next.js

UI Engineering: Component-based architecture, reusable UI components, design tokens, multi-brand theming with CSS custom properties, responsive and mobile-first design, pixel-perfect Figma-to-code implementation, Shadow DOM style isolation

Accessibility: Semantic HTML5, WAI-ARIA roles and labels, keyboard navigation, focus management, reduced-motion support, cross-browser compatibility, WCAG fundamentals

Performance: Code splitting, lazy loading (React.lazy), vendor chunking, bundle analysis, asset optimization, caching, Lighthouse, PageSpeed Insights, Core Web Vitals

APIs & Data: REST APIs, asynchronous JavaScript (Fetch, async/await, AbortController), Server-Sent Events (SSE) streaming, server-side search/filter/pagination, data visualization (Recharts, TanStack Table)

AI Engineering: LLM API integration (Anthropic Claude, Google Gemini), conversational interfaces, retrieval-augmented generation (RAG), prompt design, streaming chat UI, browser speech APIs

AI-Assisted Development: Claude Code, ChatGPT, GitHub Copilot, Cursor for prototyping, refactoring, debugging and test writing

Testing & Quality: Vitest, React Testing Library, TypeScript type-checking, ESLint, Prettier, GitHub Actions CI, Git feature-branch workflow, code reviews, Agile/Scrum

Build, Tooling & Platforms: Vite, npm, Node.js (serverless functions, NestJS), Git/GitHub, Figma, Adobe XD, Jira, Vercel, Netlify, Sentry, Supabase, Docker (basic)

Content Management (CMS): WordPress (custom themes, PHP, hooks, ACF), Drupal

PROFESSIONAL EXPERIENCE

Senior Web Developer | HealthBound Digital **Mar 2026 – Present**

Chennai, India (On-site) | Healthcare technology and digital services

- Took ownership of frontend and AI product work; engineered a multi-tenant, embeddable AI assistant in React and TypeScript with streaming (SSE) LLM responses, retrieval-augmented answers and per-brand theming; shipped it to production as a single script-tag embed configured for four brand websites.
- Developed the React and TypeScript frontend of an internal data platform for searching, importing and managing hundreds of thousands of contact records, with Vitest and React Testing Library tests running in GitHub Actions CI.
- Delivered responsive production pages, landing pages and resource pages across multiple client websites; began restructuring legacy CSS across a 50+ page template family toward a reusable, scalable styling approach.
- Resolved production issues in forms, sticky navigation and third-party scripts, integrated HubSpot forms and analytics tags, and maintained custom WordPress solutions alongside designers and backend engineers.
- Used AI-assisted development (Claude Code, GitHub Copilot, Cursor) to accelerate prototyping, refactoring and debugging, reviewing and testing generated code before release.

Front End Developer | Havas Worldwide India (POP – Prose on Pixels) **Jul 2024 – Oct 2025**

Chennai, India (Hybrid) | Studio department, global advertising network

- Built responsive, cross-browser campaign websites, landing pages and brand interfaces for global brands using HTML5, CSS3/SCSS, JavaScript and React.js, translating Figma and Adobe XD designs into pixel-accurate UI.
- Componentized recurring UI patterns into reusable front-end modules, cutting the effort to assemble new campaign pages and keeping visual consistency across brand sites.
- Delivered features on Drupal, WordPress and Angular projects and built HTML email templates, integrating REST APIs to render dynamic content.
- Improved page performance through code splitting, lazy loading, caching and asset compression, and tested layouts for cross-browser and accessibility compliance.
- Worked in Agile sprints across concurrent client projects using Git feature-branch workflows and peer code reviews.

Web Developer (Frontend) | HTML Kitchen Pvt Ltd **Jul 2022 – Jul 2024**

Coimbatore, India (Remote) | Web design and development agency

- Translated Figma and Adobe XD designs into semantic, mobile-first, standards-compliant interfaces, delivering 20+ production pages for clients across retail, consulting and healthcare.
- Built custom WordPress themes from scratch using PHP, hooks and Advanced Custom Fields (ACF), giving content teams editable, reusable page templates.
- Improved page load performance and Lighthouse scores through image optimization, minification and lazy loading.
- Fixed UI bugs, layout regressions and cross-browser issues, and worked with designers, backend developers and project managers to ship multiple projects in parallel.

SELECTED TECHNICAL PROJECTS

Multi-Tenant Embeddable AI Assistant (production; employer project, client details confidential)

React, TypeScript, Vite, Tailwind CSS, Framer Motion, Server-Sent Events, Node.js serverless functions, Anthropic Claude API, Google Gemini, Supabase, Recharts, TanStack Table, Sentry

- Architected an embeddable widget built as a self-contained bundle and mounted inside a Shadow DOM root to isolate styles from host pages; wrote a custom PostCSS rem-to-px step so the UI renders identically on sites with different root font sizes.
- Implemented a streaming chat UI that reads SSE responses with AbortController cancellation and parses structured model output into recommendation cards and an inline, email-first lead-capture form.
- Grounded answers with a retrieval layer (RAG) over each site's curated knowledge base; kept LLM credentials server-side behind serverless API routes with rate limiting and bot protection.
- Built a shared component library and lightweight design system (design tokens, CSS custom properties) so four brands reuse one codebase with their own color theming and configuration.
- Added accessibility support: ARIA roles and labels, keyboard handling with an Escape-key state machine, focus management, prefers-reduced-motion and mobile safe-area handling.
- Developed an admin analytics dashboard (Recharts, TanStack Table) loaded through route-level code splitting (React.lazy) and manual vendor chunking, with conversation analytics, Sentry error monitoring and automated daily PDF/XLSX reports.

Internal Contact Data Platform (employer project, details confidential)

React, TypeScript, Vite, Tailwind CSS, React Router, Vitest, React Testing Library, NestJS, PostgreSQL, GitHub Actions

- Built data-heavy interfaces for searching, filtering, sorting and paginating hundreds of thousands of records through server-side APIs, keeping the UI responsive with large datasets.
- Implemented a multi-step CSV/XLSX import workflow (upload, validation, duplicate resolution, review, approval) with session-expiry handling and role-based access in the UI.
- Wrote component and integration tests with Vitest and React Testing Library; tests, type-checks, lint and builds run automatically in a GitHub Actions CI pipeline.

React Analytics Dashboard (personal project)

React, Vite, React Router, Recharts, Framer Motion, Context API

- Built a multi-page admin dashboard (analytics, products, users, reports, settings) from reusable components such as stat cards, charts and activity panels, with light/dark theme switching managed through React Context.

EDUCATION

B.E., Computer Science and Engineering | Velalar College of Engineering and Technology, Erode | 2018 – 2022 | CGPA 7.95/10

CERTIFICATIONS

Career Essentials in Generative AI – Microsoft and LinkedIn | Introduction to Cloud Computing – IBM