

# VIGNESHWAR S

## Frontend Engineer | UI Performance & Accessibility

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Portfolio: <https://portfolio-vigneshwar.vercel.app>

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## Summary

Frontend Engineer with 7+ years of professional experience delivering production-ready, high-traffic web interfaces for enterprise products at Zoho Corporation. Strong expertise in core frontend engineering, UI performance optimization, accessibility (WCAG), and SEO, with hands-on ownership of international-facing platforms for the Japan market. Strong working knowledge of modern React and Typescript, applied through hands-on development and real-world UI problem solving, alongside deep experience in scalable UI.

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## Technical Skills

**Core Tech:** React.js, Typescript, JavaScript (ES6+), HTML5, CSS3, SCSS / LESS.

**State & Data:** Redux Toolkit, RTK Query, REST API Integration, Async Data Handling (Axios / Fetch / JSON).

**Architecture & Performance:** Component-Driven Development, Web Components, Core Web Vitals (LCP, CLS, FID), Lazy Loading, Code Splitting.

**Standards & Quality:** WCAG 2.1 (Accessibility), SEO Semantic Markup, Cross-browser Compatibility, Lighthouse Optimization, Unit Testing (Jest, React Testing Library).

**Tools & Workflow:** Git, Vite, Webpack, npm, Figma.

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## Professional Experience

### ZOHO Corporation: Web Developer (Feb 2020 – Present)

- **Architected International UI Solutions:** Owned end-to-end frontend implementation for flagship Zoho Japan products (CRM, Desk, Campaigns), delivering localized, performance-sensitive interfaces for enterprise-scale traffic.
- **Zoho Japan CRM Academy:** Led the development of a comprehensive learning platform, implementing secure authentication flows, user activity tracking, and real-time progress monitoring.
- **High-Traffic Event Ecosystems:** Engineered frontend solutions for large-scale platforms (Zoholics, Zoho Inspire), ensuring UI stability and responsiveness during peak concurrency.

- **Performance Optimization:** Improved application speed via memoization, bundle optimization, and lazy loading, achieving significant gains in Lighthouse Performance and Core Web Vitals.
- **Component Standardization:** Developed reusable Web Components adopted across multiple ManageEngine products, reducing development redundancy and standardizing UI consistency.
- **Localized UI Engineering:** Translated complex design systems into high-fidelity, accessible interfaces tailored to Japanese market expectations, managing localized character rendering and unique UX patterns for enterprise users.

#### K2B Solutions: UI Developer (Jan 2018 – Feb 2020)

- Developed responsive, high-fidelity user interfaces with strong focus on design accuracy and cross-browser behavior.
- Delivered UI features in fast-paced environments with frequent design and client requirement changes.

#### Doodleblue Innovations: UI / UX Design Intern (Oct 2017 – Dec 2017)

- Supported the design-to-development workflow through wireframing, UI foundations, and responsive layout implementation.

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## Selected Technical Implementations

(Focused on recent hands-on engineering work; full code available on GitHub)

### Engineering Productivity & Automation Tools

- Developed internal AI-assisted browser tools (ChatGPT, GitHub Copilot, Claude) to automate SEO validation, email template verification, Web Component checks, and pixel-accurate UI reviews, reducing internal QA and review cycles by ~20%.

### Movie Discovery Application (TMDB API) | Demo: <https://svigneshwar.github.io/Movie-App/>

- Built a React-based movie discovery application using TMDB APIs, implementing server-driven pagination, search filtering, and keyword-based search flows.
- Designed a favorites feature using a custom React hook, with state persistence and caching handled via Context API, and implemented client-side navigation using React Router.
- Focused on component composition, async data handling, loading/error states, and minimizing unnecessary re-fetching through client-side caching.

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## Education

Bachelor of Engineering – Electronics & Communication Engineering

Jawahar Engineering College, Anna University | 2013–2017

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## Languages

English – Professional Working Proficiency | Tamil – Native | Sourashtra – Conversational