

# VIGNESHWAR S

## Frontend Developer

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

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## Summary

Frontend Engineer with 7+ years of production experience delivering high-performance, accessible web interfaces for Zoho Corporation's Japan market. Proven expertise in UI optimization, WCAG compliance, and SEO for international enterprise products. Proficient in modern React and TypeScript with strong foundation in scalable component architecture and production workflows.

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## Technical Skills

**Core Frontend:** React, JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS / LESS

**State & Data Management:** Redux Toolkit, RTK Query, Context API, REST APIs, Async/Await, Axios/Fetch

**Architecture & Performance:** Component-Driven Development, Web Components, Internationalization (i18n), Core Web Vitals (LCP, CLS, FID), Code Splitting, Lazy Loading

**Standards & Quality:** WCAG 2.1 Accessibility, SEO Best Practices, Cross-browser Compatibility, Unit Testing (Jest, React Testing Library)

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

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## Professional Experience

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

- Japan Market Infrastructure:** Delivered production-ready UI for flagship Zoho Japan products (CRM, Desk, Campaigns), implementing fully localized interfaces with i18n support and culturally adapted UX for enterprise customers.
- Zoho CRM Japan Academy:** Built Zoho CRM Japan Academy learning platform, implementing OTP authentication, user progress tracking, and activity monitoring in collaboration with design and backend teams.
- High-Traffic Event Ecosystems:** Developed frontend for Zoho's event platforms (Zoholics, Zoho Inspire), building registration flows and attendee dashboards for global conferences with thousands of users.

- **Performance Optimization:** Improved application speed via memoization, bundle optimization, and lazy loading, achieving measurable improvements 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

### Engineering Productivity & Automation Tools

- Developed internal AI-assisted browser tools (ChatGPT, GitHub Copilot, Claude) at Zoho 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.
- Implemented error boundaries, loading states, and client-side caching to reduce unnecessary API calls and improve response times.

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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