SACHIN PATEL

SR. SOFTWARE ENGINEER - FRONT-END

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Senior Front-End Engineer with 14+ years of experience architecting and scaling customer-facing web applications with React, Next.js, and TypeScript. At Pelago, drove technical direction across checkout, payments, performance, and frontend architecture. Built AI-assisted engineering capabilities using MCP, agents, and Figma design-token pipelines to improve developer productivity, UI consistency, and component reuse. Full-stack foundation spanning APIs, observability.

WORK EXPERIENCE

SR. SOFTWARE ENGINEER, PELAGO SINGAPORE NOV 2021 – PRESENT

Global travel marketplace serving customers across 2,000+ destinations.

- Drove frontend performance optimization across key home and product pages, using Datadog to identify backend API latency alongside frontend bottlenecks across images, JavaScript payload, and rendering performance; raised the Lighthouse performance score from 35 to 75, reduced LCP from 8s+ to ~2s, FCP from 4s to under 1s, and Total Blocking Time from 4s to under 1.2s.
- Built a local MCP server that launches Chrome, runs Lighthouse on a given URL, stores results in a central data source, analyzes them, and posts current web vitals, prioritized action items, and a comparison against the previous report to Slack, replacing manual performance audits; also built an AI agent that automatically fixes frontend tasks.
- Initiated an AI-assisted frontend engineering effort by partnering with Design team to standardize Figma design tokens and implementing them across the application; built a Figma plugin to export tokens to CSS and integrated Figma Code Connect, Figma MCP, and Cursor to generate more accurate, token-consistent UI code while encouraging reuse of existing components.
- Architected a configuration-driven frontend architecture for partner webviews, enabling partner-specific experiences through shared code, feature flags, and configuration instead of separate implementations; worked with partner teams to define a native-to-WebView communication mechanism for Android and iOS so the frontend can detect app readiness, trigger required API calls, and prefill partner-specific data.
- Designed and built a scalable multi-item checkout experience (React, Next.js, TypeScript) with reusable Mini Cart, Cart Summary, and Cart List components, plus a flexible partial-payment architecture supporting multiple checkout entry points and a consistent experience across purchase journeys.
- Led the migration to Stripe Payment Elements, unifying credit cards, Apple Pay, Google Pay, and PayNow into one secure, reusable payment solution while reducing transaction costs, and added browser fingerprinting and real-time behavioural tracking to help detect and prevent fraud.
- Established frontend observability with Sentry (source maps for readable stack traces, noisy-error filtering to surface actionable issues) and kept it separate from server-side error tracking in Datadog, speeding up triage and root-cause analysis.
- Owned end-to-end delivery of multiple customer-facing features (Wishlist, Ticket Redemption) from technical design to production, partnering with product, design, and backend engineers.

SR. SOFTWARE ENGINEER - FRONT-END, ZIMBRA (SYNACOR INC.) INDIA SEP 2018 – NOV 2021

Enterprise email and collaboration platform used by organizations worldwide.

- Designed a resilient offline synchronization framework for an Electron-based email client using SQLite and Knex.js, ensuring reliable message delivery across intermittent network conditions.
- Modernized legacy codebases and optimized performance, improving UI responsiveness while expanding automated test coverage with Mocha and Chai.

SR. PRODUCT ENGINEER - FRONT-END, EZDI INDIA SEP 2016 – AUG 2018

Healthcare SaaS platform for clinical documentation and medical coding.

- Led migration of legacy Backbone.js applications to Angular, improving performance, maintainability, and developer experience.
- Designed interoperable frontend modules shared across multiple healthcare products, reducing duplication, and partnered with product and design to turn complex clinical workflows into intuitive interfaces.

UI DEVELOPER, AZOI INDIA NOV 2013 - AUG 2016

Health-tech startup building connected fitness and IoT products for consumer healthcare.

- Independently built responsive customer-facing websites and internal tools, and real-time analytics dashboards with React and D3.js.
- Integrated Stripe payments and built end-to-end purchase experiences for consumer products.

SOFTWARE DEVELOPER, TATVIC INDIA JAN 2011 – NOV 2013

Digital analytics consultancy for enterprise e-commerce clients.

- Built backend APIs and Google Analytics integrations powering custom client reporting tools.
- Built data visualization dashboards and experimentation solutions that improved e-commerce engagement and conversion.

SKILLS

Frontend: React, Next.js (SSR), TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, SCSS, Angular

Backend: Node.js, Express, GraphQL, REST APIs, MongoDB, MySQL, Knex.js

Engineering: Web Performance (Lighthouse, Core Web Vitals), Component Architecture, Design Tokens, Feature Flags, Experimentation, Accessibility

AI-Assisted Development: MCP server development, AI agents, Cursor, Claude code, Figma MCP, Figma Code Connect

Tools: Git, Webpack, Electron, Mocha, Sentry, Datadog, Stripe

EDUCATION

M.Sc., IT, Dhirubhai Ambani Institute of Information & Communication Technology, India 2009 - 2011

B.C.A, Som-Lalit Institute of Computer Applications, India 2006 - 2009