

Akhil Vij

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SUMMARY

Full-stack engineer and technical lead with 12+ years building large-scale, user-facing web platforms in TypeScript. Founding engineer of an enterprise design system (React + Web Components) adopted across 25+ products, and most recently lead of a frontend platform at Agoda serving 30+ enterprise partners. Deep frontend expertise with working breadth across Node.js services, GraphQL, and distributed backend systems — plus hands-on work building agentic AI tooling into the development workflow. IIIT-Hyderabad, B.Tech (Honors) + MS by Research.

TECHNICAL SKILLS

Frontend: React, TypeScript, JavaScript, HTML5, CSS3, Web Components (Lit, Shadow DOM), Next.js, design systems

Backend & APIs: Node.js, Express, RESTful APIs, GraphQL, Scala (service-level)

Architecture & Practice: Component architecture, composability, performance optimization, accessibility (WCAG 2.1 AA), design reviews, mentorship

Build, Test & Ops: Nx monorepo, Webpack, Rollup, Jest, React Testing Library, Playwright, Git, GitLab CI, GitHub Actions, Grafana

AI-Assisted Development: Claude Code, agentic SDLC workflows, tool orchestration, LLM-driven code generation

EXPERIENCE

Founder & Full-Stack Engineer

May 2026 – Present

Independent Projects

- behindscale.com — a system-design learning platform for staff-level engineers (Next.js, full-stack); breaks real engineering blog posts into reusable architecture patterns. Live and receiving organic traffic.
- clinnickhata.com — a patient-ledger SaaS for small dental clinics (Next.js, full-stack), currently in pilot with 2 clinics and open for public signup.
- matchmycard.com — a UAE credit-card matching platform (Next.js, full-stack); users take a spending-pattern quiz and get matched cards with detailed benefits. Backed by an automated AI pipeline that monitors bank websites and extracts card updates and offers into structured data. In active development.

Staff Software Engineer (Full Stack)

Jun 2024 – May 2026

Agoda

- Tech lead on a 10-engineer platform team owning Agoda's white-label travel booking experience — a shared frontend embedded into 30+ enterprise partner products, powering \$230M+ in annual revenue.
- Designed reusable, composable UI shared across all partners, keeping per-partner theming fully isolated on one codebase (CSS Custom Properties + design tokens) — distinct partner identities with no forks and no style leakage.
- Owned the frontend integration surface across a large distributed backend — pricing, static-content, discounting, and campaign rule-engine services — and how their data surfaced in the partner-facing UI.
- Built a11y-fixer, a Claude-based agentic skill that ingests audit reports plus historical context (component locations, ~100 prior remediation MRs) to emit targeted fixes; ~60% resolved one-shot from a ticket ID, ~85% produced a high-quality starting PR.

Lead → Principal Software Engineer

Oct 2018 – Jun 2024

Informatica

- Founding engineer of Droplets, Informatica's company-wide React + TypeScript design system; grew the India team from one (myself) to five engineers and a manager. Shipped 45 components consumed by 25+ SaaS products.
- Built and reviewed Lit-based Web Components (Shadow DOM, Custom Elements) for native, cross-browser primitives with a strong focus on composability and reuse across product teams.
- Drove company-wide WCAG 2.1 AA accessibility across all 25+ products consuming Droplets — a prerequisite for enterprise and government B2B sales.

EDUCATION

B.Tech (Honors) + MS by Research, Computer Science — International Institute of Information Technology, Hyderabad (IIIT-H) 2007 – 2013