

Vishal Gupta

Senior Frontend Engineer

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PROFILE

Senior frontend engineer with 4+ years building web, mobile, and AI products across IoT and enterprise platforms. Specialize in React, Next.js, Svelte, and TypeScript architecture, and ship faster with agentic AI workflows using Claude Code, custom AI agents, skills, MCP servers, and spec-driven development. Led frontend teams and mentored 10–15 interns and junior engineers.

PROFESSIONAL EXPERIENCE

Senior Frontend Engineer, Binaryveda

Nov 2025 – Present | Mumbai, India

- Designed and built a **Svelte 5** and **TypeScript micro-frontend** platform with **Module Federation** for Keus's smart-home support app, loading 15+ device modules at runtime so new features ship without app redeploy.
- Shipped web, Android, and iOS apps from one codebase via **Capacitor** native plugins, serving 5k+ users across 100+ sites.
- Engineered a transport-agnostic **NATS** messaging layer with swappable cloud, local, and factory adapters, enabling remote, on-site, and provisioning control from one UI at sub-100ms round-trips.
- Established a layered architecture (presentation, application, domain, infrastructure) with **Awilix** dependency injection and **Exome** reactive stores across 10+ modules, keeping logic testable and teams unblocked.
- Delivered **CarbonX**, a **Next.js** carbon-accounting dashboard with a reusable charting library, interactive data tables, and role-based access control, rendering 100k+ emission records.

vDoIT Technologies Ltd.

Tech Lead

Apr 2025 – Oct 2025 | Gurgaon, India

- Led frontend for **TwinProtocol**, an AI-twin platform for public figures, building the user app and analytics admin dashboard in **React**, **TypeScript**, **shadcn/ui**, and **TanStack Query**, with **WebRTC** and **WebSockets** video for 2k+ live sessions.
- Co-designed the backend and engineered a custom Retrieval-Augmented Generation (**RAG**) pipeline with **LangChain** and **PostgreSQL** vector search, grounding each twin in its own knowledge base and cutting response latency ~25%.
- Developed data-rich dashboards for **Acurpe**, a fintech platform for large investors, with interactive charts and data tables in **React** and **Tailwind CSS**, using **Redux** and **Zustand** for shared state management.
- Launched **ezeetel**, a cross-platform **ElectronJS** communication app with AES-256 encryption, adopted by 1.5k+ daily users.
- Standardized engineering across 5+ product lines with typed API layers, shared hooks, **WCAG** accessibility (Lighthouse ~70 to 95+), and **GitHub Actions** CI/CD, and mentored 10–15 interns and junior engineers.

Senior IT Associate

Apr 2023 – Mar 2025 | Gurgaon, India

IT Associate

Aug 2022 – Mar 2023 | Gurgaon, India

Frontend Developer (Intern), BinCraft Technologies Pvt. Ltd.

Mar 2021 – Jan 2022 | Remote

- Built 10+ admin dashboards in **React**, **Material UI**, and **Redux** for ~500 users.
- Refactored 6+ forms and 50k+ row data grids into reusable components, cutting duplicate code ~40%.

Web Developer (Freelance), Gorilla Graphics & Advertisements

Mar 2018 – Feb 2021 | Raipur, India

- Developed 50+ responsive marketing websites in **HTML**, **CSS**, **Bootstrap**, and **JavaScript** for ~10k monthly visitors, raising PageSpeed scores from ~70 to 85+ with SEO schema markup, image compression, and lazy loading.

EDUCATION

B.E., Computer Science & Engineering

Jul 2014 – May 2018 | Ambikapur, India

Vishwavidyalaya Engineering College, Ambikapur

SKILLS

- Frontend:** TypeScript, JavaScript (ES6+), React, Next.js, Svelte, Tailwind CSS, shadcn/ui, Redux, Zustand, TanStack Query
- Backend & Real-time:** Node.js, Express.js, REST APIs, JWT Authentication, WebSockets, WebRTC, NATS, MongoDB, PostgreSQL
- Engineering Practices:** Micro-frontends, Component Libraries, Web Performance, Accessibility (WCAG), CI/CD
- Agentic Development:** Claude Code, Cursor, AI Agents, Skills, MCP Servers, Spec-Driven Development, Context Engineering
- LLM & RAG:** LangChain, RAG Pipelines, Vector Search (PostgreSQL), Prompt Engineering, Tool-Calling UIs