

VARUN KAKLIA

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of hands-on experience designing and building secure, scalable React and TypeScript UIs in large-scale environments, including a consumer product serving 500M+ users. Uses enterprise-authorized AI-assisted development (Google Gemini, Claude, Cursor) responsibly under an explicit spec-completeness governance policy, critically validating AI-generated code through peer review and automated tests before merge. Produces architecture and design for complex applications (micro-frontends, Module Federation, shared TypeScript API contracts) and builds visualisations and reporting from large operational datasets. Applies CI/CD, application resiliency (feature-flagged rollout and rollback, error-boundary recovery) and frontend security (OAuth, JWT) across the SDLC in Agile/Scrum teams, with AWS S3 static-site deployment.

TECHNICAL SKILLS

Frontend & UI: React, TypeScript, JavaScript (ES6+), Next.js (SSR/SSG), Redux Toolkit, React Hooks, HTML5, CSS3
AI-Assisted Development: Google Gemini API, Claude, Cursor, Spec-completeness AI Governance, AI Code Validation
System Design: Micro-frontends, Module Federation, Component Architecture, Design Systems (Storybook), Nx, Turborepo
APIs & Data: REST, GraphQL, WebSockets, Shared TypeScript Contracts, Chart.js Data Visualisation
Security & Resiliency: OAuth, JWT, Protected Routes, Frontend Security, Feature-flagged Rollback, Error Boundaries
CI/CD & Cloud: CI/CD Pipelines, Docker, AWS S3 (static site deployment), Webpack, Vite, Git/GitHub, Jest, Sentry, Jira

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Feb 2026 – Apr 2026

Codechavo (Client: Kapiva)

Bengaluru, India

Third-party payroll engagement. Role concluded due to medical leave requirements that the vendor policy could not accommodate.

- Raised Lighthouse performance from 35 to 47 (+34%), cut LCP by ~1.4s and held CLS under 0.1 by applying code splitting, lazy loading and memoization, and resolved ARIA and keyboard-navigation accessibility issues surfaced by axe audits.
- Reduced cross-device UI defects by ~40% by turning designers' Figma specs into a responsive, reusable component library.

Senior Software Engineer

Jul 2025 – Jan 2026

BLJ Tech Geeks (Client: Flipkart)

Bengaluru, India

Third-party payroll engagement. Role concluded due to family medical emergency that the vendor policy could not accommodate.

- Shipped production features on SLAP, Flipkart's agentic AI shopping assistant, with every AI-generated diff validated through automated tests and peer code review before merge, by using the enterprise-authorized Google Gemini API under a spec-completeness governance policy (AI-assisted only when the Figma spec was $\geq 75\%$ complete).
- Delivered real-time, resilient AI chat responses by streaming the Gemini API token by token over WebSockets, with progressive rendering, graceful error recovery and Framer Motion micro-interactions and loading states.
- Reduced integration defects by ~30% (Jira sprint bug reports) on a product serving 500M+ users by designing shared TypeScript contracts with back-end engineers before integrating REST APIs.
- Enabled 3D/360° product views inside Flipkart's React Native app, where no native Three.js module exists, by building a custom Three.js wrapper within a Module Federation micro-frontend architecture on a Turborepo monorepo.

Frontend Engineer

Jul 2023 – May 2025

moneyHOP (Fintech – Cross-border Payments)

Bengaluru, India

- Cut operator task resolution time by ~25% (internal SLA tracking) by building the data-driven operations dashboard business teams used daily: drill-down tables with sorting, filtering and search over large datasets, plus live Chart.js visualisations and reporting for settlement, reconciliation and KYC.
- Improved application resiliency, cutting production data-sync failures by ~20%, by managing app and server state with Redux Toolkit, Context API and query-layer caching, request deduplication, optimistic updates and error-boundary rollback.
- Secured all 5 production surfaces with consistent OAuth- and JWT-based authentication, protected routes and frontend authorization handling, and authored technical documentation for the platform.
- Eliminated ~35% of UI inconsistency defects by building one accessible, reusable design-system component library documented in Storybook, distributed across 5 production applications and backed by Jest and Storybook tests in CI/CD.
- Kept data-heavy views fast as volumes grew by bounding re-render cost with memoized selectors (useMemo/useCallback) and progressive rendering; integrated GraphQL on the main website to filter API responses.
- Owned the React Native mobile app end to end, including Android release management (app signing, internal testing tracks, Play Store rollout), and contributed to backend Python and Java services.

React.js Developer

Feb 2023 – Jun 2023

Vipusti Solutions

Noida, India

- Accelerated the client's hiring cycle by ~60% (6 weeks $\rightarrow$ 3 days) across 1,000+ monthly submissions by owning planning, design, development and testing of a candidate screening application in React and TypeScript, with reusable, typed form and filter components over REST APIs.

PROJECTS

CodeVitals – Open Source (TypeScript, Node.js CLI, MIT License)

github.com/varun-kaklia/CodeVitals

- Built and published a zero-runtime-dependency CLI in TypeScript and Node.js (release v0.1.0, Phase 1 shipped) that measures codebase size and classifies projects into progressive lifecycle tiers, with dual reporting for developers and non-technical stakeholders, covered by a node:test unit suite.

EDUCATION

Master of Computer Applications (MCA)

Dec 2022