

Jitendra Kumawat

Frontend & Product Engineer — Agentic AI, Performance & Developer Platforms

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PROFILE

Frontend and product engineer with 4+ years building high-scale React products and agentic AI systems. Cut shared first-load JavaScript by **75% (1.03 MB → 262 kB)** and thousand-row rendering from **12s to under 300 ms**. Built **Forge**, a 12-agent engineering platform used by **50+ internal team members** to resolve **800+ code, database and Mixpanel queries** and deliver **150+ human-reviewed PRs to production**, with governed MCP workflows, automated cross-vertical PR review and context-preserving agent handoffs.

AREAS OF EXPERTISE

JavaScript • TypeScript • React • Next.js • HTML/CSS • Tailwind • Kotlin • Node.js • MCP • Playwright • Frontend Architecture • Design Systems • Performance & Bundles • React Query • AI Developer Tooling

PROFESSIONAL EXPERIENCE

Leap — Bengaluru

Nov 2025 - Present

Software Development Engineer II

React • Next.js • TypeScript • JavaScript • HTML5 • CSS3 • Playwright • LiveKit • Python • OpenAI

- Led frontend performance across two production portals, cutting shared first-load JavaScript by **75% (1.03 MB → 262 kB)**, FCP from **600 ms to 200 ms** and build time by **54% (228s → 104s)** through import-graph audits, dependency pruning, code splitting and tree-shaking; removed **404 dead** and **171 unreachable modules** plus about **70 MB** of unused assets across 609 files, then locked in the gains with feature-based module boundaries.
- Built **Forge**, a 12-agent engineering platform integrating repositories, Jira, Sentry, Mixpanel, Metabase and Jenkins through MCP workflows; used by **50+ internal team members** across engineering, QA, product management, programme management and PRM stakeholder groups, and resolved **800+ code, database and Mixpanel queries**.
- Automated the path from requirement clarification through implementation and review, resulting in **150+ human-reviewed PRs merged to production**, typically prepared in **10–20 minutes**; every PR across multiple product verticals passes through a dedicated review agent that checks code quality, architectural rules and build-size regressions before human review.
- Created shared **Claude skills** and repository rules to standardise implementation and review; built a **custom live-handoff generation hook** that captures structured working state before compaction, enabling long-running workflows to continue within a **250k-token context window** without losing continuity.
- Built Forge's **operational control panel** to monitor the 12-agent fleet, track service health, running jobs, incidents, releases and deployments, inspect audit trails, and approve agent, prompt and skill updates; added pull-request review and Sentry RCA agents with human escalation for uncertain or high-risk findings.
- Implemented MCP governance for **Gia**, the partner-portal AI copilot answering questions about students, applications, visas and courses from live data; propagated each partner's JWT through every tool call for tenant-scoped authorization and added scope, output and cost guardrails.
- Built **Self Serve**, a **0-to-1 white-labelled, partner-branded multi-test portal for Nigerian partners**, working as the product engineer from design and product decisions through backend, frontend and release; shaped branding, trial-versus-paid access and test-entitlement flows. Rated **4.3/5 by 230 international students**.
- Rebuilt the application filing workflow end to end, owning solutioning, backend contracts, frontend implementation, analytics instrumentation and phased rollout while multiple versions ran in parallel; reduced abandoned drafts from **8.2% to 2.4%**.
- Led two partner-portal initiatives: redesigned the dashboard reached by **88%** of logged-in users, with **36%** acting on surfaced priorities; and built a config-driven Information Hub used by about **1,500 monthly users**, reducing each new section from five-file changes and a 356-line dispatcher to one registry entry.
- Built and owned an AI-powered US visa mock-interview platform end to end, covering frontend, backend integration and AI prompting with React, LiveKit, Python and OpenAI; **90%** adoption, approximately **100 sessions per day**, peak of **735 per week**, rated **4.1/5**.

Software Development Engineer I

Mar 2024 – Nov 2025

React · Next.js · TypeScript · JavaScript · HTML5 · CSS3 · MUI · Tailwind · React Query

- Turned a spreadsheet-driven commission workflow into a product with a clear migration path, rendering thousands of editable form rows with minimal delay; cut rendering time from **12s to under 300 ms**.
- Managed the cross-vertical design system libraries (MUI and Tailwind), regularly optimising and maintaining reusable components; introduced token-based theming and table virtualisation, and evicted a **~271 kB** dependency.
- Re-engineered **Course Finder**, the shared course-discovery experience across two partner portals, supporting search, filtering and shortlisting across **100,000+** courses with React Query caching; used by approximately 3,324 monthly partners, **63%** of logged-in users, generating roughly **40,000** shortlists per month.
- Awarded **Excellent Performer** within four months of joining for rapid onboarding and high-impact delivery, and the **Team Player** award.

TychoGaming — Pune, remote

Sept 2023 – Feb 2024

Frontend Engineer

React · TypeScript · Redux

- Led the frontend for a browser game, translating detailed Figma specifications into a responsive production interface spanning **360×640** phones to 8K displays while improving low-end performance through Redux restructuring, bundle splitting and replacing JavaScript animation libraries with CSS.

Brillio — Bengaluru

Jun 2022 – Sept 2023

Software Development Engineer

React · Node.js · MongoDB · Firebase

- Built an online assessment platform with authentication, role-based dashboards, live analytics and high-concurrency support, alongside a Firebase-backed course-management dashboard for faculty scheduling and reporting.

Samsung R&D Institute India — remote

Sept 2021 – Jul 2022

Research Intern, concurrent with final year

Native Android · Python · on-device ML

- Built an Android voice-response system that adapted replies using emotion, speech rate and volume, running the complete ML inference pipeline on-device with no server; earned a **Certificate of Excellence**.

PROJECTS

Puck / PetPeeve

Aug 2026 – Present

Creator

- Built **Puck**, an always-on personal AI that triages notifications, manages tasks, reminders, alarms and schedules, monitors commutes and place-based reminders, and runs long research in parallel with offline delivery; it works across calendar, email, health, maps, music and the web, returning sensitive login and 2FA steps to the user.
- Built tag- and entity-aware **RAG** for durable memory across conversations: **1,100+ tagged records** covering people, preferences, routines and commitments are retrieved for each situation before Puck responds, consolidated nightly, and retained with a correction history so outdated memories can be superseded or retracted.

Agent OS

Sept 2026 – Present

Creator

- Built a **multi-agent software factory** that turns feature requests into shipped changes through specialised product, architecture, engineering, review, QA and DevOps agents; its War Room wakes only stage-relevant agents, while the Coffee Room runs background work and returns concise catch-up context, preserving handoffs while avoiding unnecessary model turns and repeated context.
- Added guardrails and operational autonomy: high-risk actions require approval, every agent is isolated and auditable, failures produce replayable RCA, stalled tickets are detected and re-routed, unhealthy services recover automatically, and completed Android changes are packaged into installable APKs.

EDUCATION

SRMIST, Chennai — B.Tech, Computer Science and Engineering · May 2018 – Jun 2022 · **9.36 CGPA**