ANKIT VARSHNEY

Senior Frontend Engineer (ReactJS / TypeScript / Next.js)

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OBJECTIVE

Senior Frontend Engineer with 4 years 10 months of experience in ReactJS, TypeScript, and Next.js across fintech and healthtech domains, seeking senior frontend engineering roles in digital banking or financial services.

SKILLS

ReactJS	Next.js	TypeScript	JavaScript (ES6+)
HTML5 / CSS3	Responsive Design	Micro-Frontend	SSR / SSG
Redux Toolkit	React Query	RESTful APIs	Unidirectional Data Flow
WebView	JS Bridge	Hybrid Architecture	Docker / Nginx
Git	GitHub Actions	CI/CD	Webpack / Vite
Jest	React Testing Library	Playwright	VAPT / CSP / OWASP

EXPERIENCE

Senior Frontend Engineer Dec 2024 – Present
Niva Bupa Health Insurance *Noida, India*

- Spearheaded micro-frontend architecture for modular insurance product journeys, quote flows, lead capture, and content-led landing pages, enabling independent squad deployments serving millions of monthly sessions.
- Migrated high-traffic pages from client-side rendering to SSR using Next.js and Strapi CMS, improving TTFB by 42% and establishing a measurable SEO foundation across all production routes.
- Formulated REST-driven preview and content validation flows enabling editors to inspect unpublished Strapi content before release, compressing QA turnaround from 3 days to 4 hours.
- Remedied VAPT-identified security vulnerabilities, CSP misconfigurations, insecure headers, and injection risks, collaborating with the security team to close critical findings before each release.
- Standardised engineering quality through shared ESLint rule sets, pre-commit hooks via Husky, and structured code review discipline, cutting lint-related CI/CD failures by 80%.

Frontend Developer Jan 2023 – Dec 2024
Ruptok Fintech *New Delhi, India*

- Constructed React-based invoice and payment journeys, application flows, dashboards, and borrower-facing interfaces, adopted as core operational surfaces across the fintech product.
- Integrated WebView and JS Bridge layers within a hybrid mobile architecture, enabling seamless communication between native shells and React-based web screens across borrower-facing flows.
- Incorporated Razorpay payment flows covering order creation, real-time status polling, and webhook-driven UI state updates, sustaining 1 lakh+ transactions without a UI-side failure.
- Reduced the initial JavaScript bundle by 41% through code splitting, tree-shaken imports, and deferred loading of non-critical libraries, directly improving Time to Interactive on low-bandwidth devices.
- Launched an internal AG Grid operations dashboard processing 50K+ row datasets, replacing spreadsheet-heavy workflows and reclaiming 4 hours per analyst per day.

Frontend Developer Aug 2021 – Jan 2023
CS Mock *Remote*

- Delivered a React-based mock test platform with timed exams, question navigation, and result flows sustaining 500+ concurrent sessions during live test events.

- Replaced polling with Server-Sent Events for live leaderboard updates, diminishing server load by 8× and decreasing update latency from ∼3s to sub-500ms.
- Boosted Lighthouse Performance from 54 to 89 by deferring non-critical scripts, converting images to WebP with fallbacks, and tightening cache header configuration.
- Refactored state-heavy exam screens using declarative React patterns and unidirectional data flow, stabilising timer logic, ranking updates, and question sequencing across extended sessions.
- Collaborated with UI/UX designers and backend engineers to produce API-driven user journeys, translating product requirements into responsive, accessible interfaces.

PROJECTS

Paper Shapers *(ReactJS, Vite, FastAPI, AWS, OpenAI API)* papershapers.in
Engineered a full-stack AI content generation platform integrating OpenAI APIs with a FastAPI backend and React/Vite frontend, deployed live on AWS. Orchestrated end-to-end infrastructure, S3 for asset delivery, EC2 for backend hosting, and CI/CD pipelines, ensuring zero-downtime production releases. Optimised UI for performance with modular component architecture enabling rapid feature iteration without regression.

Fracto OCR *(ReactJS, Node.js, OpenAI API, MongoDB)* fracto.tech/ocr
Pioneered a B2B invoice intelligence platform using OpenAI Vision APIs achieving 92% field extraction accuracy across structured, semi-structured, and handwritten invoice formats. Automated the end-to-end document ingestion pipeline, upload, OCR extraction, field validation, and structured data output, eliminating manual data entry for finance teams.

Niva Bupa Health Insurance Website *(Next.js, TypeScript, Strapi v4, MongoDB, Docker, Nginx)* nivabupa.com
Achieved consistent 90+ Lighthouse scores across the health insurance plans section by implementing SSR, lazy loading, image optimisation, and Core Web Vitals-focused architecture. Designed a sitemap management module with regex-driven URL classification, auto-deriving `changefreq` and `priority` values across 500+ indexed URLs to maximise crawl efficiency.

EDUCATION

Bachelor of Technology in Computer Science & Engineering, Bundelkhand Institute of Engineering and Technology (BIET), Jhansi, U.P. Jun 2018 – Jun 2022
Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOP, Software Engineering.

ACHIEVEMENTS & IMPACT

- Improved TTFB by 42% on a high-traffic insurance platform by migrating pages to SSR, directly lifting SEO rankings and organic session volume.
- Reduced QA turnaround from 3 days to 4 hours by engineering a CMS preview and validation system, unblocking content teams and accelerating release cycles.
- Eliminated 80% of lint-related CI/CD failures by standardising ESLint rule sets and pre-commit hooks across the engineering squad.
- Sustained 1 lakh+ fintech transactions without a single UI-side failure, building robust Razorpay payment flows with real-time status polling and webhook-driven state management.
- Recovered 4 hours per analyst per day by replacing spreadsheet-based operations with an AG Grid dashboard handling 50K+ row datasets in real time.
- Achieved 92% invoice field extraction accuracy on Fracto OCR using OpenAI Vision APIs, enabling automated B2B document processing at scale.