MANOJ M KADOLKAR

Senior Software Engineer

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SUMMARY

- Frontend-leaning **Full-Stack Developer** (React, **TypeScript**, **Next.js**, **Node.js/Express**) who has built MVPs end-to-end — **DB** → **APIs** → **UI** → **deploy** — with CI/CD and observability. Performance- and security-minded (Core Web Vitals, **JWT/OAuth**, CSP, XSS/CSRF). Comfortable in **early-stage/equity** environments.
- Full-stack TypeScript engineer (FE-heavy) building **Next.js + tRPC/Express** apps on **PostgreSQL (Drizzle/Prisma)**. Designed monorepos with **pnpm workspaces**, shipped UI with **Tailwind + shadcn/ui,** and productionized LLM/agentic features. CI/CD to Vercel/AWS; performance & security minded (Core Web Vitals, JWT/OAuth, CSP, XSS/CSRF).
- Currently working at YupiterLLC with a focus on front-end and back-end technologies.
- Proficient in a variety of programming languages and frameworks, including AngularJS, ReactJS, JavaScript, PHP, NodeJS, and jQuery.
- Experienced in utilizing databases such as MySQL and deploying applications on cloud platforms like AWS and Azure.
- Skilled in version control with GIT and continuous integration using Jenkins and Webpack.
- Strong expertise in web technologies, including HTML5, CSS3, and Bootstrap 5.
- Demonstrates exceptional problem-solving abilities and technical issue resolution.
- Capable of effectively communicating complex technical concepts to non-technical stakeholders.
- Possesses excellent interpersonal skills, logical thinking, and analytical capabilities.
- Committed to continuous learning and skill enhancement to improve organizational efficiency and performance.
- Contributed to open source projects by sharing reusable modules and code snippets on public platforms like GitHub and
- Stack Overflow, and actively participating in technical communities to improve software quality.
- Experienced in using mapping and data visualization libraries such as Google Maps API, D3.js, and Mapbox for developing interactive web applications featuring geolocation, mapping, and data analytics capabilities.
- Defined FE architecture (design tokens, shared hooks) → ~20% faster onboarding/velocity.
- Drove performance budgets and CI gates → ~15% defect reduction pre-UAT; improved LCP/TTFB.

SKILLS

Frontend: TypeScript, JavaScript (ES2023), **React 18**, **Next.js (SSR/ISR/SSG)**, **Redux Toolkit**, **React Query**, **Tailwind**, Accessibility (WCAG 2.1), Responsive UI, Storybook, **UI/UX, Responsive Design, Figma, JWT/OAuth, CSP, OWASP, XSS/CSRF, shadcn/ui (Radix primitives, tokens)**.

Backend/APIs: Node.js, Express, RESTful APIs, GraphQL (basic), WebSockets, JWT/OAuth, Rate limiting, PostgreSQL/MySQL, **Drizzle (migrations, relations), Prisma**, Migrations & indexing, Transactions, Query optimization, Caching (Redis), Background jobs/queues, **tRPC** (end-to-end types).

Testing & Quality: Jest, React Testing Library, Cypress, Playwright, ESLint, Prettier, Unit/Integration/E2E testing

DevOps & CI/CD: Git, GitHub, GitHub Actions, Jenkins, Azure DevOps, Docker, Vercel, Netlify, Trunk-based development.

Performance & Observability: Core Web Vitals (LCP, CLS, INP), Lighthouse, Sentry, Monitoring/Alerting (exposure)

Cloud: AWS (S3, CloudFront, Lambda), Azure (exposure)

Practices & Leadership: Frontend architecture, Design systems, Code reviews, Mentoring, Agile/Scrum, Stakeholder communication, Micro-frontends (exposure)

Testing Library: Cypress, Playwright, GitHub Actions, Jenkins, Azure DevOps, Docker, Vercel, Core Web Vitals, Lighthouse, Sentry, AWS, Azure, Accessibility, Design systems, SSR, ISR, SSG.

Tooling: pnpm workspaces, Turborepo, changesets, NPM, Yarn, Grunt, Gulp.

AI/Ads: OpenAI tools/functions, background agents (cron/queues), **Google Ads API**, **GA4/Server-Side Tagging**, conversion tracking, webhooks

WORK EXPERIENCE

Senior Software Engineer

Yupiter LLC

- Led migration of Tata Cliq's customer-facing web from legacy React class components to Next.js (TypeScript, App Router) with SSR/ISR; improved Core Web Vitals (TTFB, LCP) and enabled faster feature delivery.
- Delivered new e-commerce features (catalog/PLP optimizations, checkout UX flows, personalization hooks), driving measurable gains in conversion and engagement.
- Implemented security-minded FE patterns: **CSP**, sanitized HTML, guarded routes, **JWT/OAuth**, anti-**XSS/CSRF** protections; followed **OWASP** checks during reviews.
- Hardened API usage with timeouts/retries and safe error surfaces; added auth guards and role-based UI.
- Defined the **project structure and components** based on extensive **front-end development experience**, ensuring reusability and scalability, resulting in a 20% increase in developer efficiency.
- Maintained high **code quality** by reviewing and suggesting improvements to code written by other developers, leading to a 15% decrease in bugs reported during the testing phase.
- Standardized UI library using **shadcn/ui + Tailwind**; extracted tokens and composables for forms, tables, and auth flows, improving build speed and consistency.
- Collaborated with designers to suggest **design changes** and ensure seamless translation of the design vision into functional features, resulting in a 10% increase in user satisfaction.
- Defined scalable frontend architecture (design tokens, component contracts, shared hooks,) improving reuse and onboarding (~20% faster).
- Instituted code reviews and test gates (Jest/RTL/Cypress), cutting pre-UAT defects by ~15%; mentored juniors on hooks, state, and API contracts.
- Built accessible, clean UIs for complex flows (PLP/PDP, checkout, onboarding), resulting in measurable conversion/engagement gains.
- Introduced performance budgets, CI checks, and graceful degradation; hardened network layer with timeouts/retries and Sentry.
- Introduced **tRPC** BFF in a Next.js app → end-to-end types, 0 runtime DTO drift; added **zod** validation at the edge.
- Migrated data layer to **Drizzle** (Postgres) with typed schema & SQL-first migrations; reduced cold-start query time by ~15%.
- Built a **pnpm monorepo** (web, api, shared ui, eslint-config) with cached builds (Turborepo) and versioning (changesets).
- Prototyped **agentic workflows**: scheduled jobs that read GA4 reports, adjust campaign bids via **Google Ads API**, and alert via Slack; guard-railed with cost caps & dry-run modes.
- Implemented **conversion tracking** (first-party cookies, server-side tagging), and attribution events; added dashboards for CPA/ROAS.

Browser Application Developer

Teamware Solution (client: Microsoft)

- Upgraded legacy apps to ensure compatibility with modern browsers like MS Edge, resulting in a **30% increase in user satisfaction** and a **20% decrease in customer complaints**.
- *Partnered with design in **Figma** to translate systems into components; drove usability reviews and a11y checks (WCAG 2.1).*
- Developed web applications tailored to client specifications, leading to a **15% increase in user engagement** and a
- **10% improvement in overall application performance**.
- Converted web applications into **Progressive Web Apps (PWAs)**, generating a **25% increase in mobile traffic** and a 40% boost in user retention rates.
- Enabled PWA features and smarter caching, improving mobile retention and offline UX.

- Refactored UI into testable React components with performance-safe patterns.

Frontend Developer
Sep 2018 - Sep 2019

Impelsys
Bangalore, IN

- Maintained and optimized **Magento PWA apps**, resulting in a 15% decrease in app loading time and a 10% increase in
- **user engagement metrics**.
- Guided a team of 10 front-end developers in launching **e-commerce websites on Magento PWA**, contributing to a 20% increase in **online sales** and **customer satisfaction**.
- Analyzed user activities on courses through detailed **analytics**, identifying key trends and opportunities for improvement, leading to a 30% increase in **course completion rates**.
- Established shared FE utilities and standards to improve velocity and maintainability across a 10-dev team.
- Implemented **PHI-safe** patterns (masked logs, scoped data access, audit trails), encryption in transit/at rest; operated with **HIPAA** awareness.
- Worked directly with founders/PMs to ship **MVP v1→v2**, running weekly experiments and telemetry-driven iterations.

Web Developer
Jan 2016 - Feb 2017

Shaast Tech Company
Bangalore, IN

- Developed custom **WordPress themes** and **plugins** for small companies, resulting in a 30% increase in **user satisfaction metrics**.
- Optimized product performance by conducting detailed **performance analysis** and scaling efforts, leading to a 15% increase in **website loading speed**.
- Provided regular updates to the **Project Manager** and **IT Leads** on project progress, effectively managing **task distribution** within the team and ensuring timely completion of **deliverables**.

PROJECTS

Tata Cliq
Dec 2021 - Present

Yupiter LLC

Technologies: ReactJS, HTML5, CSS3, JavaScript, REST API, jQuery, React Native, D3.js, Google Maps API, Mapbox.

- Conducted thorough **testing and debugging** to ensure the reliability and performance of the **website features**.
- Participated in **code reviews** and provided constructive feedback to maintain **code quality** and **best practices**.

Upgrading the Legacy Apps Web Apps
Sep 2019 - Dec 2021

Teamware Solution (client: Microsoft)

Technologies: ReactJS, HTML5, CSS3, JavaScript, REST API, jQuery, NextJS

- Rewrote and refactored **legacy code** using **modern web technologies**, resulting in enhanced performance and maintainability.
- Utilized **ReactJS** to develop **interactive and efficient front-end components**, improving overall user experience.

LMS and Admin Panel
Sep 2018 - Sep 2019

Impelsys

Technologies: React JS, HTML5, CSS3, JavaScript, REST API, jQuery

- Conducted a thorough analysis of client requirements to understand their needs and objectives for the **eLearning platform's admin panel**.
- Designed and developed **user-friendly UI components** based on client specifications, ensuring **intuitive navigation and usability**.

Client Projects

Shaast Tech Company

Technologies: React JS, HTML5, CSS3, JavaScript, REST API, jQuery, Python

- Conducted a thorough analysis of client requirements to understand their needs and objectives for the platform and admin panel.
- Designed and developed **user-friendly UI components** and **APIs** based on client specifications, ensuring **intuitive navigation** and **usability**.

CERTIFICATIONS

React and redux - A complete guide
Udemy

Software Product Management
Course

EDUCATION

Bachelor of Engineering
VTU – 2015

Diploma
DTU – Bangalore -2012

Client Projects

Shaast Tech Company

Technologies: React JS, HTML5, CSS3, JavaScript, REST API, jQuery, Python

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- Designed and developed **user-friendly UI components** and **APIs** based on client specifications, ensuring **intuitive navigation** and **usability**.