

Yashvardhan Thanvi

Senior Frontend Engineer | React.js, Next.js, TypeScript, Node.js | +91-95879-70735 |
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<https://github.com/YTTHEMIGHTY> | <https://leetcode.com/u/5ZZVdbISOr/> | Pune, India

PROFESSIONAL SUMMARY

Senior Frontend Engineer with 5+ years of professional experience specialising in building high-performance, scalable web applications using React, Next.js, and TypeScript. Deeply skilled in modernising enterprise platforms, optimising Core Web Vitals, and implementing clean state management solutions that directly improve user engagement and business conversions. Adept at bridging the gap between product requirements and technical execution, combining robust, type-safe frontend architectures with lightweight Node.js BFF layers and API integration. Proven track record of leveraging AI-assisted development workflows to accelerate feature delivery times while maintaining strict accessibility and engineering standards.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS.
 - **Frontend Technologies:** React.js, Next.js (App Router, SSR/ISR), Accessibility (WACAG), Redux Toolkit, AWS-IVS, Zustand, React Query, Tailwind CSS, Material UI, Storybook.
 - **Backend Integration & APIs:** RESTful APIs, GraphQL, WebSockets (Socket.io), JWT/OAuth, Node.js, Express.js, MongoDB.
 - **Architecture & Patterns:** Micro-frontends (Module Federation), Server-Driven UI (SDUI), Component Driven Development (CDD), Test-Driven Development (TDD), Headless Commerce.
 - **Build & Testing:** Webpack, Vite, Jest, Vitest, CI/CD Pipelines, AWS.
 - **AI & Agentic Workflows:** Kiro CLI, Amazon Q, Claude, OpenAI, Gemini.
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PROFESSIONAL EXPERIENCE

Infosys Limited | Senior Associate Consultant | Pune

Dec 2022 – Present

Core Frontend Engineer for enterprise modernisation. Focused on migrating legacy apps to Headless Commerce and building performant internal developer platforms using strict Type-Safe codebases.

- **Enterprise Telecom Portal:** Accelerated UI delivery by 40% by integrating AI workflows (Amazon Q, Kiro CLI) to generate baseline React components directly from Figma. Built the type-safe B2B frontend for a "Unified Subscription Manager" using React and TypeScript, defining strict data interfaces to prevent runtime errors. Supported this frontend by collaborating on a unified Node.js BFF layer to securely integrate VoIP APIs for self-service call forwarding.
- **Automotive E-Commerce Platform:** Managed complex UI state for a dynamic 'Build & Price' engine using TypeScript and Zustand, handling deep dependency trees for vehicle configurations. Implemented Server-Driven UI rendering via JSON schemas, allowing the CMS team to push updates without requiring frontend deployments. Also built secure JWT authentication flows, driving a 15% increase in online conversions through smoother user onboarding.
- **Headless E-Commerce Platform:** Led the frontend implementation of a Headless Commerce platform using Next.js Server Components to fetch data directly, reducing reliance on heavy API layers.

Optimised Core Web Vitals and load speeds via Next.js ISR and Image optimisation, correlating with a 15% sales increase. Improved codebase maintainability by refactoring global cart state from heavy context providers to lightweight Zustand hooks, reducing overall bundle size.

- **Internal Developer Platform (IDP):** Built the frontend interface for an Internal Developer Platform using React, TypeScript, and Spotify Backstage to simplify infrastructure deployments. Enforced UI consistency by building and maintaining a Typed Storybook library for internal components. To power these frontend plugins, developed supporting Node.js APIs and MongoDB persistence to aggregate CI/CD metrics into a unified developer dashboard.

Anand Rathi IT Pvt. Ltd. | Associate Developer | Jodhpur

Feb 2021 – Nov 2022

Frontend Engineer specialising in event-driven dashboards and low-latency streaming interfaces.

- **OTT Video Streaming Platform:** Developed a custom OTT video streaming frontend using AWS IVS, delivering a type-safe React player with adaptive bitrate capabilities. Improved the Time-to-Interactive metric by 35% by integrating RTK Query for aggressive caching and management of GraphQL data.
- **Logistics & Fleet Tracking System:** Developed a real-time fleet-tracking React interface using WebSockets (Socket.io), rendering live map updates for 10,000+ concurrent users with dynamic JWT-based role permissions. Supported this robust frontend by writing a Node.js middleware and MongoDB storage layer to aggregate raw telemetry data into clean JSON payloads.

PERSONAL PROJECTS

create-dsa-lab (CLI) | [npm](#) | [GitHub](#)

- Engineered a zero-config npm CLI tool to instantly scaffold a DSA environment.
- Pre-configured the development setup with TypeScript, Jest, and CI/CD pipelines.
- One folder per problem — implementation, tests, and notes together
- One command to do everything — run, test, benchmark, read notes
- Automatic file watching — edit → instant feedback
- Structured metadata — difficulty, tags, Big O, all in your code

BigO Lens (VS Code Extension) | [VS Code Marketplace](#) | [GitHub](#)

- Developed a custom VS Code extension to instantly calculate Big-O complexity.
- Displayed real-time, inline time and space complexity metrics as the user types.
- Achieved 100% offline performance using pure Abstract Syntax Tree (AST) traversal.
- Auto-resolves the problem name and LeetCode URL
- Shows the known optimal Time & Space for that problem
- Tells you if your solution matches the optimal or can be improved

EDUCATION

- **Master of Computer Applications (MCA) | ACMRC | 2019-2021**
- **Bachelor of Computer Applications (BCA) | LMCST | 2017-2019**