

RISHABH PANESAR

Founding Engineer

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PROFESSIONAL SUMMARY

Full Stack Engineer with 3+ years of experience building high performance web applications using JavaScript, TypeScript, React, Next.js, Node.js, and Express.js. Strong in writing clean, modular, reusable code and improving frontend performance through optimization techniques like memoization, caching, virtualization, SSR, and bundle size reduction. Skilled in debugging complex UI issues, working with browser DevTools, and improving runtime behavior in data heavy interfaces. Experienced in building component systems, consistent UI patterns, and scalable client-side architectures used across multiple products.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python

Frameworks: Next.js, Express.js, FastAPI

Frontend: React, TailwindCSS, shadcn/ui, MUI, Chakra-UI, HTML, CSS, Bootstrap, Redux, Zustand

JavaScript & Browser: Browser APIs (fetch, events, localStorage), profiling with Chrome DevTools Performance and Network panels, Event Handling, Promises

Backend: Node.js

Tools: VS Code, Git, GitHub, Vercel, Netlify, Render, Postman, Figma, Chrome DevTools

Databases: MongoDB, SQL, Supabase, Metabase

Platforms: AWS, Azure

Authentication: OAuth, Clerk, Auth0, Okta

PROFESSIONAL EXPERIENCE (3+ YEARS)

Founding Engineer | Jun 2025 - Present

Faradworks | Remote (U.S.)

- Architecting and delivering frontend systems in **Next.js, TypeScript, and shadcn/ui**, building predictable, reusable components, design patterns, and data flows that improved UI consistency and increased development speed by **2x**.
- Applying advanced **frontend optimization** (memoization, caching, virtualization, SSR), reducing page load times by **47%** and improving perceived responsiveness across all devices.
- Using browser DevTools to diagnose slow renders and heavy components, leading to better responsiveness.
- Partnering closely with founders on product strategy and experimentation, prioritizing customer-driven features and contributing to **4 successful product pilots** across Faradworks, Schema, FaradHub, and [PinScope.AI](#).
- Implementing lightweight utility functions in JavaScript for formatting, state handling, and DOM level optimizations where React abstractions were not required.

Technologies Used: *Next.js, React, TypeScript, Node.js, Express.js, SQL, MongoDB, AWS, Docker, CI/CD, Clerk*

Full Stack Engineer | Oct 2024 - Jun 2025

Symx.AI | Gurugram

- Built **enterprise applications** using React, TypeScript, Node.js, SQL, and AWS with an MVC-driven backend.
- Applied **frontend performance optimization** (memoization, caching, pagination), cutting load times by **50%**.
- Worked with **Amazon Athena** to build and test complex queries for deriving structured insights from large master datasets.
- Collaborated with **cross-functional teams** to deliver features that enhanced user workflows, increasing adoption by 30%.
- **Reduced bundle size** by implementing **lazy loading** and **asset optimization**.

Technologies Used: *React, TypeScript, Node.js, SQL, AWS, Docker, Amazon Athena, MVC, Auth0, Okta*

- Led major **frontend initiatives** across products with React, MUI, TailwindCSS, Storybook, Next.js, Redux, and Axios.
- Established **UI patterns** and reusable abstractions to drive consistency and accelerate delivery by **2x**.
- Collaborated with UI/UX, developers, and product managers to ensure **design-system adoption** across teams, improving alignment.
- Advocated **performance best practices**, enhancing responsiveness and stability by 50%.
- Implemented **client-side code splitting** and **lazy loading** across routes, boosting perceived performance while supporting **3x** peak concurrency with **99.9% load success**.
- Built resilient error handling and retry logic in Axios data flows, reducing user-visible failures by 90% and increasing session stability.

Technologies Used: React, TypeScript, TailwindCSS, MUI, Storybook, Next.js, Redux, Axios, ApexCharts, Recharts, Chart.js

PROJECTS

Logistics AI Agent Dashboard | Personal Project

<https://logistics-ai-agent.rishabhpanesar.com/>

A logistics admin dashboard that enables teams to create fully configurable AI voice agents for automated driver check-ins. Admins can set agent tone, instructions, voice settings, and trigger AI-powered outbound calls to collect shipment and load information.

- Built an end-to-end agent pipeline where the AI calls drivers, conducts structured conversations, extracts key fields, performs sentiment analysis, and stores summaries, transcripts, and parsed data into **Supabase**.
- Developed a full-stack system with a **React (Vite) frontend** and **FastAPI backend** that dynamically creates and manages Retell AI agents through API orchestration.
- Implemented secure storage, custom domains, deployment pipelines, and optimized data flows, enabling reliable automated check-ins and reducing manual follow-ups for logistics workflows.

PinScope.AI | Faradworks

<https://pinscope.ai/>

PinScope.AI is an AI-powered hardware validation platform that analyzes electrical schematics, BOMs, and component datasheets to detect design issues before manufacturing. It helps hardware teams reduce respins, accelerate reviews, and ensure higher reliability in PCB design.

- Built the end-to-end application using TailwindCSS, Next.js, TypeScript, and shadcn/ui, enabling a seamless user experience.
- Integrated Stripe with a pay-per-project model, enabling users to purchase and activate projects seamlessly.
- Integrated the PinScope.AI agent for schematic QA into the platform's frontend, enabling context-aware responses and accelerating hardware review cycles.

Ripik Optimus | Ripik.AI

<https://optimus-prod-planner.ripik.app/>

A production planning and analytics platform used in manufacturing to optimize schedules, visualize KPIs, and improve operational efficiency.

- Improved **performance** via memoization, caching, and pagination, cutting page load time by 45% and boosting **user engagement** by 25%.
- Built **config-driven UI** and chart templates, reducing time-to-ship by 35% and enabling faster onboarding of clients.

EDUCATION

Bachelor of Computer Applications | Graduated Aug 2021

Amity University