

# Rajat Mehra

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## Skills

**Frontend:** React, Next.js, Typescript, Javascript, Redux Toolkit, Zustand, TanStack Query, Motion

**UI & Styling:** CSS, Styled-components, AntDesign, Tailwind, shadcn/ui, Radix, MUI

**Testing & Automation:** Jest, React Testing Library, Playwright, n8n, Applied AI

**Backend & APIs:** Node.js, Express, REST APIs, Python, Fast API

**Cloud & Tooling:** AWS (S3, ECS, Lambda), Docker, Vercel, Netlify

**Databases:** MySQL, MongoDB, Supabase

## Work Experience

**Wednesday Solutions, Pune**

Sep 2022 - Sep 2025

### Software Engineer

- Led migration of a large **Next.js** marketplace from **CSR to SSG**, improving **Lighthouse performance** scores from **~30 to 90+**, improving SEO traffic and added internationalization support using **i18n** and **LinguiJS**.
- Designed and scaled reusable React component libraries across **micro-frontend applications**, enforcing accessibility patterns and achieving **100%+ WCAG** compliance through audits.
- Built a **fintech dashboard** using **TanStack Query** for real-time data fetching, caching, and performance-driven charts across campaign insights.
- Maintained **90%+** unit test coverage using Jest and React Testing Library and implemented **Playwright E2E testing** for critical user flows
- Implemented **Sentry** and **Lighthouse CI** monitoring, decreasing error rates by **30%**.
- Built a **Slack bot** using **Python**, **Fast API** with AI-driven workflows and automated WordPress deployment, reducing campaign setup time from **2 days** to **~15 minutes** and scaling output **10x** with human QA.
- **Automated sentiment analysis** on user-generated content using **n8n**, Firecrawl, and Claude-4, reducing product validation time from **3–5 weeks** to under **10 minutes**.
- Built a **competitive insights workflow** using **n8n** that scrapes and analyzes Reddit, Quora and forum discussions, enabling weekly feature-gap discovery and improved roadmap prioritization.
- Led design and documentation **TRDs** for internal tools & workflows and mentored junior peers improving team velocity by **25%** and cutting developer setup time by **80%**.

**Crypto Owl, Remote**

Feb 2022 - Apr 2022

### Software Engineer

- Developed UI and deployed 3 crypto websites, enhancing UX that attracted **10K** monthly users
- Built **analytics dashboard** using charts enhancing monitoring of cryptocurrency coin
- React, Redux Toolkit, Recharts, Tailwind, Motion

## Projects

### Website Highlight Saver 🔗

- Built a **Chrome extension** using vanilla JavaScript, HTML/CSS, and Chrome Manifest V3 APIs.
- Users can highlight webpage text, store it locally, and generate AI-powered summaries using **OpenAI**.

### Youtube Transcript API 🔗

- Built and maintain an **open-sourced** lightweight JS/TS library to retrieve YouTube transcripts and subtitles.
- Published as an **npm package** and used by **200** developers for content analysis, search indexing, language learning, video summarization, and AI/NLP training workflows.

## Education

**DIT University**

Batch of 2019

B.Tech in Computer Science and Engineering