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Atul Patel

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SKILLS

Frontend: React, Next.js, TypeScript, Tailwind, Material-UI, Redux, React Query, JavaScript, AlpineJs, LeafletJs, HTML/CSS, Zustand, Shadcn

Backend: Node.js, NestJs, Express, MongoDB, Mongoose, FastAPI

Tools & Services: LLMs, OpenAI API, Eleven labs, Git, Strapi, VS Code, Firebase, 11ty, WebRTC, Azure Data Lake

WORK EXPERIENCE

Sonde Solutions — Bengaluru, KA
Software Engineer — *Feb 2025 – Present*

- Architected comprehensive content generation platform for social media using **React, Typescript and modern frontend technologies**, serving 500+ daily active users.
- Engineered audio-to-visual content pipeline enabling users to generate image and video content from audio inputs like podcasts and surveys, reducing content creation time by 70%
- Implemented real-time media processing workflows with seamless user experience, achieving 99.5% uptime for content creators
- Built intuitive interface for content customization and export, improving social media content creation efficiency by 60%
- Designed a specialized chatbot for training higher-level managers at large corporations using **React and TypeScript**, deployed across 3 enterprise clients

Codemonk — Bengaluru, KA
Software Engineer — *july 2022 – Jan 2025*

- Built frontend modules for configuring and calibrating drones using **React, Redux, LeafletJs, and Tailwind**, reducing setup time by 40% for autonomous operations
- Designed algorithm to draw and adjust flight paths on interactive maps, enabling drones to automatically scan territories and structures with 95% precision accuracy
- Implemented user interface displaying real-time drone position and executing commands such as navigation, orbiting, and altitude adjustment for 50+ drone units
- Established automated process to analyze CSV data, generate Excel files, and securely store them in **Azure Data Lake**, processing 10,000+ records daily.
- Integrated API to trigger third-party data processing pipelines, enhancing analytical capabilities for decarbonization solutions and reducing manual processing by 80%
- Led development of Airo's e-commerce UI using **NextJs, Tailwind, Redux, and RTK Query**, delivering 2 weeks ahead of schedule and increasing conversion rate by 25%

PROJECTS

- **SoManyLemons**: SoManyLemons is an all-in-one content marketing platform that turns ideas into ready-to-publish content across channels. Built the frontend using React, Tailwind and Typescript, supporting 1,000+ monthly users.
- **Renew : "Data Processing and Analytics Backend"**: Architected backend system with user authentication using **NodeJs, NestJs, MongoDB, and Mongoose**, featuring CSV generation from frontend data. Established automated process to analyze CSV data, generate Excel files, and securely store them in **Azure Data Lake**, handling 50GB+ of data monthly.
- **Insureka**: Insureka is a digital-first car insurance provider in Indonesia. It specializes in online, customizable motor vehicle insurance, featuring rapid, app-based claims processing serving 100,000+ policyholders.

EDUCATION

Maharaja Ranjit Singh College — Indore, MP
Bachelor of Science in Biotechnology — *Aug 2018 – May 2021*

- **Concentrations**: Biotechnology & Computer Science & Bioinformatics