

Tanmay Makode

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Education

GH Rasoni Polytechnic
Diploma in Computer Science

Maharashtra, India
2021 – 2023

Experience

Front-End Developer

Remote

DotPro Labs

- Built a complete real-estate web application frontend using *Next.js*, integrating *MapboxAPI* for interactive maps and geospatial property search.
- Integrated Python backend APIs into the frontend using *TanStack Query* for efficient caching, synchronization, and request deduplication.
- Implemented global state management using *Zustand* for complex UI and map-driven interactions.
- Used *Prisma* with *PostgreSQL* for typed data access and *Better-Auth* for secure authentication flows.
- Optimized performance and UX for map-heavy views with lazy loading and memoized components.

Front-End Developer / UI Design (Client Work)

Remote

StackFrame

- Built a Framer no-code builder tool to rapidly integrate functional React components into Framer projects.
- Developed reusable Framer code components using React and Framer APIs.
- Integrated *Firebase* for authentication, data storage, and real-time updates.
- Enabled seamless interaction between external web apps and Framer plugins.

Projects

BloopIt — *Redis, Node.js, WebSockets, WebRTC, Next.js*

Public P2P file-sharing and real-time chat platform (*In Progress*).

- Designed room-based P2P architecture supporting real-time file sharing and chat.
- Used Redis for room state, peer discovery, and signaling coordination.
- Implemented WebRTC for direct peer-to-peer file transfer with WebSocket-based signaling.
- Focused on low-latency communication and scalable room management.

Filmify — *React, Next.js, FFmpeg, Canvas API, Supabase*

Web-based editor to beautify screen recordings and videos. filmify.app

- Built client-side video rendering pipeline using FFmpeg for compositing, and exporting.
- Implemented layered canvas architecture for frame, background, and animation separation.
- Designed a custom animation engine and timeline system for frame-based animations.
- Positioned Filmify as a premium, web-based alternative to desktop video mockup tools.

SurfChat — *Firebase, WebSockets, Vanilla JS*

Chrome extension enabling real-time chat with users on any website.

- Built a live chat system that overlays on top of any website via a browser extension.
- Implemented real-time messaging using WebSockets and Firebase.
- Focused on social interaction, low-friction onboarding, and performance.

Skills

Languages: JavaScript - TypeScript - Python - SQL - C#

Frameworks & Libraries: React - Next.js - Node.js - Express - TanStack Query - Zustand - Tailwind CSS - Prisma

Databases & Infrastructure: PostgreSQL - Redis - Firebase - Supabase - MongoDB

Developer Tools: Git - Docker - WebSockets - WebRTC - FFmpeg - Mapbox - Chrome Extensions - Canvas API