

Karthi Keyan

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SUMMARY

Full-stack engineer with cross-field knowledge & expertise in programming, design, & motion. Experienced in building real-time, scalable web & mobile applications with React, TypeScript & Cloud services.

SKILLS

Languages: TypeScript, JavaScript, Python, C, SQL, HTML, CSS

Frameworks/Libraries: ReactJS, React Native, Expo, NextJS

Backend: NodeJS, PostgreSQL, Prisma, Redis

Cloud & Tools: AWS, Firebase, Socket.IO, Datadog

Design: Adobe Creative Suite, Figma, Blender, Cinema4D

WORK EXPERIENCE

Seconds Inc.

Jul 2023 - Jun 2025

Senior Software Engineer

Remote

- Developed Seconds, an industry-grade video calling web app using **Next.js, TypeScript**, and a custom **WebRTC** implementation, with **real-time socket connections** and dynamic per-second pricing logic.
- Worked with a team of 4 to build and launch the **MVP** of Seconds, resulting in a stable, production-grade application.
- Worked on real-time **audio/video** features, collaborated on product decision & launch strategy.

Cinedise Studio

Nov 2023 - Present

Web Developer & Creative Director

Mumbai, India

- Built and maintained the studio's **core website** and their **content management system**, ensuring performance, scalability, and visual consistency.
- Integrated modern frontend stacks (**React, Next.js, Typescript**) and delivered production-ready client websites, which resulted in an increased **40% of the studio earnings**.
- Built responsive **UI components** and **internal design libraries**, ensured design system consistency and better feature enhancements for users.
- Collaborated on creative strategy for **video ads, campaign assets, and product positioning**.

PROJECTS

Seconds

NextJS | TypeScript | PostgreSQL | SocketIO

Real-time Video Calling Platform

- Developed Seconds.me using **Next.js and Typescript, Postgres**, architecting a scalable and modular structure.
- Built a custom **WebRTC** and socket-based core integration for real-time, high quality **P2P video calls**.
- Automated workflows using **AI pipelines**, enabling real-time enhancements and monitoring through log observability with **Datadog**.

Layers

React Native | Firebase

A Mental Health focused Mobile App

- A mobile-first mental health wellness platform for community-powered mental health support using **Expo and TypeScript**.
- Conceptualized and prototyped as a part of the **Google Solution Challenge 2024**.
- Developed using **Expo** with **Typescript**, used **Vertex AI + DialogFlow** to prototype **AI-driven** conversational therapy.

EDUCATION

Amity University Mumbai

Jul 2022 - May 2025

Bachelor of Animation & VFX

- A core-lead at the university's **Google Developer Student Club (GDSC)** held multiple classes enlightening the new technology to fellow interested students.
- Published a research paper on **The Impact of Dark Patterns in UI Design**, analyzing their harmful effects and exploring actionable solutions.