

Sayantan Samanta

Dedicated and result-driven Frontend Engineer with 3.8 years of experience building innovative and user-friendly web applications. Skilled in modern frameworks and optimization techniques to deliver seamless digital experiences. Seeking a dynamic role to contribute expertise and drive impactful solutions.

linkedin.com/sayantan-s
github.com/Sayantan-s
https://sayantannnnnn.vercel.app
sayantan.work12699@gmail.com
(+91) 91634 - 56288

SKILLS

HTML/CSS Problem Solving/System Design JavaScript/**TypeScript/Python** **React**/React Native/Vue **Redux**/RTK/Zustand/**Tanstack Query** **Next.js** Node.js
Nest.js/**FastAPI** **REST**/GraphQL BullMQ(Message Queue) PostgreSQL/**MongoDB**/Redis **GCP**(GCS, Cloud Run, PubSub, CloudTask) **AI Tools** (claude-code, gemini-cli, mcps, browser-use, assembly-ai, notebooklm) **Tools**(Docker, Storybook, RTL/Jest, Pencil.dev, Figma)

EXPERIENCE

Goodscore Software Development Engineer 2

Mar 2026 — Current

Bengaluru, Karnataka

- Designed and shipped a **Silent Network Authentication** system across the full stack (**React Native, Firebase, Flask**) that replaced traditional OTP-based login flows with instant SIM-based carrier verification, significantly improving onboarding UX. This reduced signup friction and meaningfully improved conversion rates at the first user touchpoint.
- Developed a conversational voice interface for a proprietary chatbot using React and the **MediaRecorder API** for audio capture, **ffmpeg** for transcoding, backed by Express and Google Cloud (GCS, Pub/Sub) to deliver seamless **stt** via Gemini LLM.
- Led end-to-end development (design → implementation) of a dynamic, personalized payment-history video feature that transforms user financial data into a shareable narrative. Engineered a timeline-based rendering system with precise timestamp orchestration and smooth 60fps animations using **React, TypeScript**, and **RxJS** for reactive sequencing. Built a two-layer caching strategy (in-memory + **IndexedDB**) to optimize rendering performance and reduce recomputation. Solved for deterministic rendering across devices while maintaining high visual fidelity, enabling users to generate and share individualized financial stories.
- Engineered an event-driven in-app calling system using **React Native, Kotlin**, and **Firebase Cloud Messaging (FCM)** to connect users with AI voice agents in real time. Designed the system to trigger calls based on user actions or support needs, routing context-rich queries to external AI providers (Ring.ai). Handled cross-platform integration challenges, including native call handling, background execution, and notification reliability.
- Built a reusable icon and asset library that replaced scattered, inconsistently imported SVGs with a typed component system supporting variants, sizing, and theming, cutting bundle duplication and standardizing usage across the app, using **React** and **Vite Plugin SVGr**.
- Worked** on a config-driven video engine (still in demo) that lets non-engineers compose new video experiences from JSON, projected to reduce frontend and design dependency by **70–80%** and shrink new-video turnaround from sprints to hours.

314ecorp Software Engineer

Jan 2026 — Mar 2026

Bengaluru, Karnataka

- Contributed in architecting a spec-driven development workflow for the frontend team, integrating **Claude-code** to accelerate end-to-end development cycles.
 - Pair-programmed a broadcasting system tailored for health workers, revamped the internal mailer to a more polished architecture powered by **React & FastAPI**.
- **Left the company early due to **commute** issues.*

HyreSnap Software Developer (Frontend)

May 2023 — Jan 2026

Bengaluru, Karnataka

- Revamped an end-to-end payment system using **Stripe's SDK** to carry out recurring product subscriptions for international customers.
- Designed a comprehensive transcription service tailored for proctored interview's reports with the help of a 3rd-party tool called **Assembly AI**.
- Built a scalable image upload system from scratch using **Next.js, Pillow, Flask and GCS**, that allows users to upload their avatars using a cropper tool.
- Integrated Razorpay payments for credit transactions for a user-centric mock interview service catering to the Indian B2C tech market.
- Collaborated closely with the Tech Lead to **enhance the efficiency of a MongoDB query, mitigating CPU spikes** and enhancing system performance.
- Building a 0 → 1 B2B SAAS, AI Agent that automates job platform workflows, with a backend powered by **FastAPI** and **MongoDB (PyMongo)** implemented strict type safety and validation using **Pydantic**, enabling robust API design, modular services.
- Designed and implemented a candidate recommendation system, including secure authentication (JWT flow), end-to-end APIs using **FastAPI**, PostgreSQL and a multi-tenant internal dashboard with Next.js, shadcn.ui and tailwindcss, owned the **design system** and optimized for Core Web Vitals (**CLS**).
- Delivered high-impact UI components for recruiter-copilot platform including Diff Checker, Boolean Search Builder, and Nested Pagination, improving recruiter workflows and cutting API latency from **5s to 200ms** using performance engineering best practices.
- Implemented a role-driven candidate approval system with permissioned workflows(submission, rejection, approval) and async processing of candidate's profile using **Gemini LLM (Gemini 2.5 flash model)**, ATS records, and recruiter notes using **FastAPI, Next.js, TanStack Query, and Google Cloud Tasks**.
- Optimized the Interview Autoscheduling algorithm, resulting in a reduction in workload for the Operations team.
- Improved resume building experience** with page breaks and accurate PDF previews using React, Browser APIs, and Puppeteer.
- Spearheaded the redesign of interviewer report submission and candidate report processes, introducing admin-side feature flags and AI-powered summaries using **Gemini LLM(Gemini 2.5 pro preview model)**, **reducing operational workload and bolstering security** using React, TypeScript, Zod, RTK Query, Radix UI and React Hook Form to deliver a seamless and efficient client experience.
- Developed a B2B front-end for an ATS-friendly Resume Builder, integrating a **Resume Reviewing Tool** and comprehensive internal dashboards
- Enhanced the performance of several IM REST endpoints by **10-20% by offloading** time-consuming async tasks(slack messages, emails) to Cloud Tasks.
- Collaborated with the Marketing team to implement programmatic SEO strategies, enhancing search engine visibility and driving organic traffic growth.
- Built a resume analyzer tool using the **Gemini LLM (Gemini 2.5 flash model)** to assess candidate fit based on jds, **reducing recruiter workload**.

Hoggy Software Engineer (Frontend)

May 2022 — November 2022

Bengaluru, Karnataka

- Primarily worked on user-facing features, optimized them, and sent them to production.
- Integrated business analytics tools such as **MoEngage** and **MixPanel** with Next.js to **enhance user tracking**.
- Contributed to the Creator tool's gallery module to upload well-optimised media using **Next.js, Redux, React-query**.
- Contributed in Hard-Typing the codebase, which resulted in a **50% reduction in runtime bugs**.
- Wrote unit test cases for Go APIs while migrating from Monolithic to Microservices infrastructure.
- Wrote a CI script for vercel preview deployments prior to moving into production.

PROJECTS

Personal Projects

Upshot.app [2024 - Present] (React, Redux, TypeScript, Node(Express), GraphQL, MongoDB, Vite, SSE, LLMs)

A platform for creators to develop their products while transparently sharing the behind-the-scenes process, embracing the 'Build in Public' philosophy.

Ply [2025] (Vue, TypeScript, Storybook, FastAPI, Python, LLMs, Browser-use (Agent))

AI-powered job match assistant which helps you reduce application fatigue by rolling match percentage reports.

Notip [2026 - Present] (React, TypeScript, Storybook, Rolldown, Vite)

A headless-first notification library built for React 19 apps. composable, framework-native, and easy to integrate.

Open Source Contributions

Next Auth [2021] Fixed a bug for this OSS authentication library by correcting auth state of client-session api.

Layer 5 [2021] Improved UX issue of a community website by adding delayed mount and unmount animation of the scroll to top button.

Mini Projects

debounced google search [2022] (React, TypeScript) Debounced autocomplete functionality mimicking Google Search.

ai video editor(fe case study) [2026] (Next.js, Three.js) Case study of a online video editor.

covlive [2020] (React, SCSS, Context Api, Mapbox, Apex Charts) Covid Case tracking app providing accurate statistical data and rising cases

Blogs

xyz.com + Enter = 🌟 But How? [2023] More than just painting frames on your browser.

Code is cheap, show me the talk. [2026] AI automation at its peak. Maybe.

EDUCATION

B.Tech Information Technology

July 2018 — 2022	Netaji Subhash Engineering College (NSEC)	8.5 (CGPA)
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ISC - Class 12th

July 2015 — 2017	The Modern Academy (TMA)	71.5 (PERCENTAGE)
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ICSE - Class 10th

July 2002 — 2015	Ram Mohan Mission High School (RMMHS)	75.0 (PERCENTAGE)
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