Sayantan Samanta

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Dedicated and result-driven Frontend Engineer with 3.6 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.

SKILLS

HTML/CSS   JavaScript/**TypeScript/Python**   **React**/Vue   **Redux/RTK**/Zustand/**Tanstack Query**   **Next.js**/Nuxt   Node.js   Nest.js/**FastAPI**/Flask   **REST**/GraphQL   BullMQ(Message Queue)   PostgreSQL/**MongoDB**/Redis   **GCP**(GCS,Cloud Run,CloudTask)   **AI Tools** (claude-code,gemini-cli,mcps,browser-use,assembly-ai,notebooklm)

EXPERIENCE

314ecorp Software Engineer

January 2026 — Present   Bengaluru, Karnataka

- Architected an agentic-dev workflow for the full engineering team, integrating **Claude-code** and **Vibe-kanban** to accelerate end-to-end development cycles.
- Building a broadcasting system tailored for health workers, revamping the internal mailer to a more polished architecture powered by **React** & **FastAPI**.

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.

Deep Lip Reading [2022] (React, TypeScript, Vite, Web Sockets, Python, Flask)
Built an end-to-end application that has options to capture pictures based on a timer or a single click to detect user lip movement to predict words.

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.

Ply [2025-Present] (Vue, TypeScript, Playwright, Gemini(pro 3.0), Browser-use(Agent), Gemini CLI) AI-powered job match assistant.

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.

B.Tech Information Technology

July 2018 — 2022   Netaji Subhash Engineering College (**NSEC**)   **8.5** (CGPA)

ISC - Class 12th

July 2015 — 2017   The Modern Academy (**TMA**)   **71.5** (PERCENTAGE)

ICSE - Class 10th

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