

Sayantan Samanta

Dedicated and result-driven Frontend Engineer with 2 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.

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SKILLS

HTML/CSS/SASS TailwindCSS CSS-In-JS JavaScript TypeScript Python React Redux/RTK/Zustand React Query Next.js Node.js Express/Nest REST/GraphQL/Ws Github Actions BullMQ(Message Queue) Redis PostgreSQL MongoDB Storybook GCP(GCS, PubSub, CloudSQL, Cloud Run)

EXPERIENCE

Hyresnap Frontend Engineer

May 2023 — Present

Bengaluru, Karnataka

Implemented 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. Contributed to a number of major fixes, including removing memory leaks in the application and fixing anonymous authentication, which links multiple Auth providers, such as email and social authentication, using Firebase/auth. Improved Core Web Vitals in mobile devices as well as **reduced blog page initial load time by 30%** by applying certain performance optimisations. Optimized the Interview Autoscheduling algorithm, resulting in a **50% reduction in workload** for the Operations team. **Improved resume building experience by 50%** 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 1.5 Pro, **reducing operational workload by 20% and bolstering security** using React, TypeScript, Zod, RTK Query, 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 REST endpoints by **10-20% by offloading** time-consuming asynchronous tasks to Cloud Scheduler. Collaborated with the Marketing team to implement programmatic SEO strategies, enhancing search engine visibility and driving organic traffic growth.

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.

Codemancers Frontend Engineer Intern

November 2021 — December 2021

Remote, Kolkata

Improved code quality and contributed to an ongoing project by following TDD approach using React, Typescript, RTL & Jest. Contributed to the Open Vpn profile management of the organization using **Hapi.js, Typescript & Prisma**.

Strive Frontend Engineer Intern

November 2020 — January 2021

Remote, Kolkata

Contributed to the development of the platform's dashboard using Next.JS and Tailwind. Used a wide-column No-SQL Database(**AWS Dynamo DB**) for carrying out CRUD operations

PROJECTS

Personal Projects

[Upshot.app](#) [2024 - Present] (React, Redux, TypeScript, Node(Express), GraphQL, MongoDB, Vite, Web Sockets, 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.

[Slot In](#) [2025 - Present] (MicroFrontends, React, TypeScript, Python, Flask, Postgres, Redis, Resend, WebRTC)

Develop and evaluate machine coding solutions with ease. Conduct live coding interviews, assess candidate performance, and generate structured reports

PROJECTS

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.
- [Typeform Prototype](#) [2023] (NextJs, TypeScript, Docker) Typeform forms like scroll functionality
- [Covlive](#) [2020] (React, SCSS, Context Api, Mapbox, Apex Charts) Covid Case tracking app providing accurate statistical data and rising cases

Blogs

- [Domain name and hit Enter. Then?](#) [2023] De-mystifying the science behind humankind's greatest invention.

EDUCATION

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)