Saikat Samanta

Software Engineer

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 5+ years' experience building scalable, high-performance web and mobile solutions. Expertise in full-stack development (Node.js, React, Python, FastAPI), API design, and cloud deployments. Proven track record in delivering robust products, leading technical initiatives, and fostering engineering best practices.

CORE COMPETENCIES

Languages	JavaScript (ES6+), TypeScript, Python
Frameworks	Node.js, Express, React, Next.js, React Native, FastAPI
Database	MongoDB, PostgreSQL, MySQL
DevOps	AWS, GitHub Actions, CI/CD, Docker
Testing/Quality	Jest, Mocha, TDD
Other	REST/GraphQL APIs, Microservices, Agile/Scrum

PROFESSIONAL EXPERIENCE

Software Engineer — Touchcast, Remote

Mar 2024 – Present

- Lead UI development with React; delivered performant, intuitive user experiences.
- Designed and maintained scalable backend services (Node.js, Python).
- Coordinated with product teams to align on robust, secure solutions.

Senior Software Engineer — Recro, Bengaluru, India

Feb 2023 – Mar 2024

- Modernized enterprise frontends and architected modular, scalable solutions.
- Collaborated cross-functionally to deliver high-quality, secure applications.
- Provided technical mentorship and code reviews to ensure engineering excellence.

Software Engineer — Brainium Infotech Pvt. Ltd., Remote

Apr 2022 – Feb 2023

- Developed and released transport app (React, React Native, Node.js).
- Established code review and testing pipelines for project reliability.

Web Developer — Manufac Analytics, Remote

Jan 2021 – Feb 2022

- Built analytics dashboards and APIs for manufacturing clients (React, Node.js, PostgreSQL).

MERN Developer Intern — Gigsy India, Remote

Jun 2020 – Dec 2020

- Developed web features and enhancements using React.js, Node.js, Express.js, and MongoDB.
- Collaborated with the team on design, development, and troubleshooting.

KEY PROJECTS

Napster Companion – AI Video Chat Platform **Dec 2024 – Present**

Built responsive UIs and backend APIs for a conversational AI platform with video-based, memory-enabled agents using React, Tailwind CSS, Node.js, and FastAPI.

Tech: React, Tailwind CSS, Node.js, Express, Python, FastAPI, WebRTC

CogCache – LLM Caching & Cost Optimization **Mar 2024 – Dec 2024**

Engineered dashboards and APIs for a caching proxy that cut LLM inference costs by 50%. Worked across React frontend and FastAPI backend to deliver analytics and volume tracking.

Tech: React, TypeScript, Python, FastAPI, ECharts

CompUp – SaaS for Compensation Planning **Feb 2023 – Mar 2024**

Built a scalable monorepo app for compensation planning using React and TypeScript. Implemented component-driven UI with Storybook, reducing planning time by 30%.

Tech: React, TypeScript, Lerna, Storybook, Webpack, Material UI

KABOU – Ride-Sharing App **Apr 2022 – Feb 2023**

Developed cross-platform mobile app with live tracking and Stripe integration. Delivered a unified React Native codebase for Android and iOS.

Tech: React Native, Google Maps, Stripe, JavaScript

react-native-advance-components (NPM Library) **Dec 2022**

Published reusable React Native components for image viewing with pinch-to-zoom and swipe support.

Tech: TypeScript, React Native, NPM

EDUCATION

B.Tech, EE Maulana Abul Kalam Azad University of Technology, Kolkata

Aug 2015 – Jul 2019 DGPA: 8.06 / 10

CERTIFICATIONS & CONTINUOUS LEARNING

Advanced Node.js: Scaling Applications (LinkedIn Learning, 2024)

AWS Cloud Practitioner (in progress)

Participant in tech meetups and bootcamps

TECHNICAL STRENGTHS

Code Audits & Reviews, Automated Test Coverage, Performance Tuning, Secure Coding, UX Collaboration, Agile/Scrum, Remote/Distributed Teams, Analytical Problem-Solving

LANGUAGES

English (Professional Proficiency) — Hindi (Professional Proficiency) — Bengali (Native)

INTERESTS

Music, Travel, Video Gaming, Open Source Contributions