Sanyam Rathore

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CAREER SUMMARY

Full-stack engineer with 4+ years of experience building & delivering production-grade SaaS applications, backend services, event-driven systems, enterprise integrations, and AI-powered solutions. Experienced in designing scalable architectures using Node.js, TypeScript, React/Next.js, databases, cloud platforms, and distributed workflows, with hands-on experience integrating LLMs into automation and user-facing applications. Proven ability to quickly adopt new technologies, solve complex engineering problems, and deliver reliable, maintainable systems with a strong focus on clean architecture, system design, and performance.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, SQL, Python, C++, HTML5
- **Frontend:** React, Next.js, TanStack Query, Redux, Zustand, React Context, Tailwind CSS, CSS3
- **Backend & APIs:** Node.js, Express.js, NestJS, REST, GraphQL
- **Databases & Messaging:** PostgreSQL, MongoDB, Prisma, Redis, Kafka, BullMQ
- **Authentication & Security:** OAuth 2.0, JWT, Clerk
- **AI / LLM:** LLM API Integration, Tool/Function Calling, Prompt Engineering, AI-assisted Development, Claude Code
- **Performance, a11y & Testing:** Core Web Vitals, Code Splitting, Virtualization, WCAG, Vitest, Unit & Integration Testing
- **Cloud:** AWS *(Lambda, API Gateway, CloudWatch, S3, EC2, SQS)*, Azure *(Fn's, VM, ACI)*, Git/GitHub, GitHub Actions
- **Engineering Practices:** Agile/Scrum, Figma-to-UI Implementation, System Design, Mentoring

PROFESSIONAL EXPERIENCE

Freelance | Remote — 5 months

Full Stack Developer — April 2026 – Present

- Architected and developed a **multi-tenant AI-powered financial analytics SaaS** using **Next.js, TypeScript, Node.js, PostgreSQL, Redis/BullMQ**, delivering interactive dashboards for revenue, expenses, cash flow, profitability, net worth, budgets, and investment performance with RBAC and workspace-level data isolation.
- **Engineered an LLM-powered Financial Copilot** with tool-based orchestration over tenant-scoped financial data, enabling natural-language financial analysis, anomaly detection, transaction categorization, forecasting, what-if scenarios, automated insights, and AI-generated financial reports through asynchronous data-processing workflows.
- Built interactive financial intelligence dashboards and analytics APIs covering revenue, expenses, cash flow, net worth, profitability, budgets, and investment performance with dynamic filtering, drill-down analysis, and time-series visualizations.

Senior Software Engineer | Alignerr | Freelance – Remote — 5 months | April 2026 - Present

- Engineered structured technical prompts and evaluated long-horizon full-stack code generation outputs for architectural soundness and reasoning integrity, supporting **RLHF**-based model alignment.

CloudEQ | Chandigarh, India — 3 yrs 4 months

Software Engineer II (*Hybrid*) — Jan 2023 – April 2026

- Architected an event-driven AI workflow orchestration platform using **Node.js, TypeScript, Salesforce CDC, PostgreSQL, Kafka, Redis,** and **Temporal,** automating enterprise project intake, provisioning, approvals, and lifecycle management.
- Designed **Saga-based distributed workflows** with idempotency, transactional outbox, retries, compensation, **DLQs**, and workflow recovery to maintain business consistency across independently managed services and external APIs.
- Implemented **human-in-the-loop AI workflows** with confidence-based routing, validation layers, guardrails, and approval checkpoints to prevent autonomous AI decisions from directly executing critical business operations – cutting project intake overhead by **75%** and achieved **99% reliability** with zero data loss and zero duplicate resource creation across **500+** events.
- Built an AI Project Copilot capable of querying live project, workflow, Jira, and collaboration data through **LLM tool calling**, providing contextual insights into project status, blockers, risks, and workflow execution history.
- Led frontend architecture for a client-facing project-tracking dashboard; ran requirement-gathering sessions with designers and stakeholders, then translated Figma designs into a custom high-performance **React/TypeScript.**
- Collaborated within Agile/Scrum delivery cycles, utilizing structured team **Git** workflows for branching and code.

- Mentored junior engineers on engineering standards; drove adoption of **Vitest** unit testing across services to raise code quality.
- Built event-triggered **AWS Lambda** integrations in Node.js between HALO ITSM ↔ Jira and ServiceNow ↔ Jira, accelerating ticket resolution by **25%** and eliminating **~80%** of manual ticket synchronization.
- Developed and published enterprise Power Apps Canvas applications with custom **PCF React/TypeScript** components, including multi-screen navigation, Microsoft user integration, and input/output bindings; Improved Power Apps deployment safety by introducing solution-version rollback workflows; Optimized initial-load performance through centralized CSS loading.
- Optimized a custom Resource & Project Management UI, reducing page load time by **800ms**, improving Core Web Vitals, and driving a **10% increase** in user engagement.

InfoHub Innovations – Mumbai, India (*Remote*) 4 months

Software Engineer I Sept 2022 – Dec 2022

- Engineered secure **Node.js** backend services with **OAuth 2.0** and automated CMS data ingestion for **4,000+ monthly articles**, reducing data errors by **60%**, while refactoring the **React.js** frontend to improve LCP by **10%** and CLS from **0.23 to 0.12**.

Persistent Systems – Nagpur, India (*Remote*) 9 months

Software Developer (*6-month Intern → FTE***)** Dec 2021 – Aug 2022

- Maintained **IBM Netezza** data-warehouse appliances using nzcli/nzsql; monitored SPUs, debugged SQL workloads, and containerized workflows with **Docker** in large-scale analytical database environments.

PROJECTS

react-finance-grid — *(Personal Project)* *Link ↗*

- Built a modular reusable **React data-grid library** for financial workflows tabular architecture, supporting pinned columns, drag-and-drop column ordering, column highlighting, async expansion, and sticky grand totals.
- Implemented **virtualized rendering** and optimized layout logic to keep large datasets responsive while preserving fixed-column behavior and horizontal scrolling.
- Built an accessible column menu (sort, pin, hide, highlight, resize) and packaged the library for distribution with ESM/CJS builds, TypeScript declarations, CSS export and tests.

StreamSync — *Real time video sharing SaaS* — *(Personal Project)*

- Designing a full-stack desktop application for real-time video sharing, featuring low-latency streaming via Socket.io and global distribution with **AWS CloudFront**.
- Integrated **Whisper AI** to generate titles, descriptions, and transcripts from video.

EDUCATION

Bachelor of Technology — Computer Science and Engineering Aug 2018 – June 2022

Lakshmi Narain College of Technology – Bhopal, India GPA: **8.57**

CERTIFICATIONS & BADGES

- MongoDB Overview: Core Concepts and Architecture - *Link ↗*
- Microsoft Certified: Azure Fundamentals - AZ-900 - *Link ↗*
- Power Platform Developer Associate - PL-400