

Prateek Sagar

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Full-stack engineer with 3+ years shipping production systems across fintech and AI-product startups — from complex, real-time frontends to backend systems handling regulated financial data (KYC, fraud detection). Comfortable owning features end-to-end in small, fast-moving remote teams.

Skills

- Languages: TypeScript, JavaScript, HTML5, CSS3
- Frameworks & Libraries: Node.js, Next.js, React, Express.js, Hono, Fabric.js, MobX, Tailwind CSS, shadcn/ui, Material UI, Zustand, Tanstack, BullMQ, Fastify
- Databases & ORMs: PostgreSQL, MySQL, MongoDB, Prisma ORM, Sequelize, Redis, Drizzle-ORM
- Cloud & DevOps: AWS, Docker, CI/CD (Jenkins, Bitbucket Pipelines, Actions), Linux,
- Architecture & Methodology: System Design, Microservices, Unit Testing, Agile/Scrum, Monorepo

Experience

[Wishtales AI](#)

September 2024 - Present

Full Stack Developer

Remote

- Architected and scaled an AI-powered video editing platform from 0-to-1 using Next.js, MobX, and Fabric.js, establishing core project structure and state management patterns including features like drag and drop, editing timeline orchestration with canvas. ([supercut](#))
- Designed and implemented a high-performance frontend architecture for real-time video manipulation, managing complex client-side memory allocation and canvas rendering using fabric.js and mobX.
- Engineered an automated multilingual video dubbing engine, integrating AI models to handle localized audio alignment and multi-language video rendering pipelines using react, zustand & tanstack query. ([spark](#))

[Faircent](#)

Jan 2023 - September 2024

Software Developer

Gurugram, IN

- Integrated the loan-lending platform with India's Open Network for Digital Commerce, driving a 20% increase in active loan engagement using node.js
- Built a fraud-detection system isolating suspicious activity patterns, improving threat capture by 30% and supporting RBI regulatory compliance.
- Led end-to-end digital KYC (Aadhaar, biometrics, geolocation), cutting onboarding time by 25%.
- Designed and implemented scalable RESTful APIs for secure B2B financial integrations, enabling seamless partner lead generation with platforms like InCred and increasing onboarding velocity.

Technical Projects

[ExcileBoard](#) | React, TypeScript, MobX, Fabric.js | [Github](#)

- Built a high-performance vector graphics canvas application supporting complex rendering loops across infinite size boards with robust undo/redo capabilities.
- Engineered local persistence features allowing users to create, search, and switch between unlimited independent drawing environments instantly with zero data loss.
- Optimized UI navigation loops by designing a customizable keyboard shortcut map, decoupling UI operations from the canvas rendering context to maintain 60 FPS performance.

Scalable Notifications | [Github](#)

- Architected an **event-driven notification engine** (Fastify, BullMQ, Redis, PostgreSQL) in a Turborepo monorepo, achieving sub-15ms ingestion latency (202 Accepted) by decoupling API ingestion from dispatch.
- Implemented a **2-tier idempotency layer** (Redis cache + PG atomic constraints), weighted priority queues for critical OTPs, and **pluggable multi-channel provider adapters** with exponential backoff retries

Education

Master of Computer Applications(*post grad. in computer science*)

Nov 2020 - July 2023

Department of Computer Science, University of Delhi

Delhi, IN