

SAURABH YADAV

Software Engineer | Backend, Full-Stack & AI Systems

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Experience

LEAD Group

Software Development Engineer

Sep 2025 – Present

Hybrid, Gurugram, India

Fluento | Python, Pipecat, AWS, Grafana, Cerebrium, OpenTelemetry, Electron

- Architected a centralized observability pipeline integrating **AWS CloudWatch, Grafana Loki, and OpenTelemetry** with Cerebrium to unify logs across distributed AI services, reducing incident MTTR and improving production visibility.
- Built an **Electron-based system diagnostics application** that validates hardware and software compatibility before launch, eliminating environment-related onboarding failures.

Delta (Internal Content Platform) | TypeScript, Python, PostgreSQL, Redux, AI

- Designed and shipped an **AI-powered debranding microservice** that detects and replaces logos in PDF and video assets, enabling white-label content delivery across multiple client platforms.
- Diagnosed and resolved a concurrency bug in the Delta content pipeline that caused intermittent processing failures, improving pipeline reliability and reducing failed job retries

Utopian Dreams Pvt. Ltd.

Software Engineer

Feb 2024 – Aug 2025

Noida, India

ICICI Prudential | React, Redux, Golang, PostgreSQL, Kafka, Azure

- Owned end-to-end delivery of a **Knowledge Management System (KMS)** for corporate meeting reports with JWT-based role-specific access controls (analyst/admin) using React, TypeScript, and Golang.
- Built **iPrud Financial Dashboard** parsing Excel sheets for real-time financial metrics; integrated Kafka for automated threshold alerts, achieving **50% faster response times** and streamlining decision-making.

DistrictD | React.js, Node.js, PostgreSQL, Redis

- Architected a **Portfolio Management System** with stock visualization and automated capital gains/dividend reports, **cutting analysis time by 40%** for financial teams.
- Drove a **Redis-based caching strategy** and API refactoring initiative, substantially reducing response latency and processing overhead across critical user flows.

Zenith GoDigital

Associate Software Engineer

June 2023 – Jan 2024

Noida, India

- Developed a **Learning Management System (LMS)** (React/Tailwind/Node.js/MongoDB) for hotel staff training with automated certification and quiz evaluation, reducing manual evaluation time by **30%**.
- Engineered responsive UI components and database optimizations supporting **200+ concurrent users**, improving overall system performance by 25%.

Projects

Budget Buddy | Next.js, TypeScript, PostgreSQL, Redis, Prisma, TailwindCSS, Zod

[GitHub](#) | [Live](#)

- Built a full-stack personal finance application with transaction tracking, expense categorization, and interactive data visualizations enabling efficient monitoring of spending patterns.
- Implemented secure session management via **Jose (JWT)** and **Upstash Redis** with single-device login enforcement and robust input validation using Zod schema across all user flows.

Devhub | Next.js, TypeScript, Node.js, MongoDB, TanStack Query, Cloudinary

[GitHub](#) | [Live](#)

- Engineered a full-stack developer social platform with real-time feed, social interactions (like, comment, repost), and direct messaging using Next.js 15, Express.js, and MongoDB.
- Implemented JWT authentication, Cloudinary file storage, and TanStack Query for optimized data fetching with real-time notifications and seamless UX.

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, Golang | **Frontend:** React.js, Next.js, React Native, Redux, Zustand, TailwindCSS | **Backend:** Node.js, Express, Gin | **Databases:** MySQL, MongoDB, PostgreSQL, Redis | **Concepts:** System Design, Microservices, REST APIs, LLM Integration, AI Workflows | **DevOps & Tools:** AWS, OpenTelemetry, Grafana, Kafka, Docker, Nginx, Jenkins, Git, Linux

Achievements

- Employee Award (2024):** Recognized by Utopian Dreams for excellence in feature delivery and engineering performance.
- CodeChef:** Peak rating **1643**; global rank **553 among 20,000+** participants in CodeChef Long Challenge.
- LeetCode:** Contest rating **1,559**, **11+ Badges**, **800+** problems solved; Annual Badge 2022 (top **0.2%** of LeetCodeers).

Education

Greater Noida Institute of Technology

Bachelor of Science in Computer Science, 8.0 CGPA

Aug 2019 – May 2023

Greater Noida, India