

SAURABH MAHAPATRA

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Summary

Founding software engineer turned CTO with extensive production experience architecting and shipping full-stack web and mobile products from the ground up. Proven track record of designing scalable, cloud-native architectures and leading end-to-end development lifecycles across diverse domains, including enterprise resource planning, retail, hospitality, and electric vehicle platforms. Adept at translating complex business requirements into robust, high-performance operational software while establishing engineering best practices and building high-performing teams.

Technical Skills

- **Languages:** JavaScript, TypeScript, Python, SQL, C++, C, VBA
- **Frameworks & Libraries:** React, React Native, Next.js, Node.js, Express, FastAPI, Redux, Tailwind CSS, TypeORM, Prisma, Mongoose, Frappe, ERPNext, Pandas, OpenCV, TensorFlow, YOLO, Tesseract
- **Databases & Cloud:** PostgreSQL, MySQL, SQL Server, MongoDB, Firebase, Redis, AWS (EC2, ECS, ECR, RDS)
- **Tools & Engineering:** Docker, Docker Compose, Git, GitHub, Linux, Cloudflare, Postman, Swagger/OpenAPI, Jest, Playwright, OpenAI API, FCM

Experience

FeathrTech

May 2025 - Present

CTO / Founding Software Engineer

Noida, India

- Joined as the founding software engineer and built the engineering function from zero, contributing to 10+ web and mobile products, with 6 reaching live production across the App Store, Play Store and web.
- Designed and shipped production systems across hospitality, retail, construction and EV domains, taking products from requirements and architecture through implementation, deployment and production support.
- Built full-stack applications across React, React Native, Next.js, Node.js and FastAPI, with PostgreSQL, MongoDB and Redis-backed services and production AWS infrastructure.
- Built and deployed cloud-native services using Docker and Docker Compose, with AWS ECS, ECR, RDS and EC2 for containerized application and database workloads.
- Built the engineering team from 0 to 10 engineers, establishing development workflows, code reviews, SOPs, task ownership and release processes while remaining hands-on across architecture and implementation.
- Worked directly with clients on requirements, product demonstrations, deployments and production troubleshooting, translating business workflows into operational software.

Projects

Adiraa Hospitality ERP

Next.js | React Native | Node.js | PostgreSQL

- Built and deployed a full-stack hospitality ERP across web and mobile, running in production at 2 business locations with 150+ user accounts and 300+ events managed through the CRM.
- Implemented end-to-end workflows spanning event management, customer/CRM operations, bookings, billing and staff workflows, with role-based access and multi-location business logic.
- Designed the PostgreSQL data model and backend APIs and integrated operational workflows across the web and mobile applications for day-to-day venue operations.

Mobile House Inventory Platform

React Native | React | Node.js | SQL

- Built and deployed a mobile inventory management platform used across 10+ retail stores in Noida and Indirapuram, with a companion web application for centralized business operations.
- Implemented multi-branch inventory workflows with IMEI-level product tracking, stock movement and store-level product management while maintaining consistency across concurrent operations.
- Built the mobile and web interfaces with integrated backend APIs for day-to-day inventory operations, enabling centralized visibility across multiple retail locations.

Astar EV Warranty Platform

React Native | Next.js | FastAPI | PostgreSQL

- Built and deployed a web and mobile warranty lifecycle platform used across North India by battery OEMs and dealers to register and manage EV battery warranties.
- Implemented end-to-end warranty workflows covering battery registration, warranty claims, validation and resolution tracking, with backend business rules for claim eligibility and lifecycle management.
- Built analytics and operational visibility for warranty activity and deployed containerized backend services using Docker and AWS infrastructure.

Achievements

- [Codeforces](#) (100rabh_21) Specialist - Max Rating 1433
- Open Source Contributor, The Algorithms/Python - Top 70 global contributor
- Authored a research paper on OCR-based table and invoice extraction in mobile applications, analysing structured-document recognition challenges and preprocessing approaches.

Education

Institute of Engineering and Technology, Lucknow

2021 - June 2025

B.Tech in Computer Science and Engineering

CGPA: 8.8