

SURAJ MISHRA

FULL-STACK DEVELOPER • PRODUCT ENGINEER • SOFTWARE DEVELOPMENT ENGINEER (SDE)

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PROFESSIONAL SUMMARY

Full-Stack Developer and Product Engineer with **1.5+ years** of hands-on experience designing, building, and deploying production web and mobile applications across logistics, EdTech, AI media, and enterprise operations. Experienced in end-to-end software development across **Next.js** and **TypeScript** frontends, **NestJS**, **Node.js**, and **Python** backends, **PostgreSQL** and **DynamoDB** databases, and scalable **AWS** and **Cloudflare** cloud infrastructure serving thousands of active users.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, HTML5, CSS3

Frontend & Mobile: Next.js, React.js, React Native, Flutter, Tailwind CSS

Backend: NestJS, Node.js, Express.js, REST APIs

Databases & Storage: PostgreSQL, Amazon DynamoDB, Cloudflare R2

Cloud & DevOps: AWS (EC2, ECR, SQS, Lambda, RDS), Docker, Firebase, Cloudflare, Git, GitHub

PROFESSIONAL EXPERIENCE

Full-Stack Engineer (Freelance) | GatiSwift Pvt Ltd

Remote | Aug 2026 – Present

Domestic Courier Aggregation Platform • staging.gatiswift.com • Next.js, TypeScript, Tailwind CSS, NestJS, Node.js, PostgreSQL, Firebase, AWS, Cloudflare

- Architected a **5-application monorepo** (public-web, merchant-web, admin-web, core NestJS REST api, and asynchronous background worker) powering B2B domestic shipment aggregation for Indian merchants.
- Engineered end-to-end merchant onboarding, multi-carrier rate comparison, shipment creation, real-time tracking, and automated **NDR/RTO exception handling** workflows.
- Built a transactional **wallet-ledger billing engine**, automated **Cash-on-Delivery (COD) reconciliation**, return processing, and internal operations dashboards backed by **PostgreSQL**.

Full-Stack & Mobile Engineer (Freelance) | Comeback Academy

Remote | Jul 2026 – Sep 2026

EdTech Mobile App & Web Storefront • [Google Play](https://googleplay.com) & comebackacademy.live • Flutter, Next.js, TypeScript, NestJS, PostgreSQL (AWS RDS), Firebase, Cloudflare R2, Razorpay

- Shipped a production EdTech platform achieving **700+ Google Play installs**, unifying engineering syllabi, previous-year papers (PYQs), study notes, and guided Bihar Engineering University (BEU) exam-result lookups across branches and semesters.
- Architected a cross-platform checkout pipeline pairing a consumption-only **Flutter** Android app with a **Next.js** web storefront (comebackacademy.live) and **Razorpay** integration, reducing payment processing fees from **15% (in-app billing) to 2%**.
- Built a **NestJS** and **PostgreSQL (AWS RDS)** backend with a **Next.js** admin dashboard managing study materials and users, enforcing **single-device hardware ID binding**, **screenshot prevention** on paid content, and unified **Firebase** authentication.

Full-Stack & Cloud Engineer (Freelance) | PhotoFinder Enterprise

Remote | Aug 2025 – Oct 2025

AI Event Media Platform • photofinder.surajmishra.me • Next.js, TypeScript, Python, DynamoDB, Cloudflare R2, Docker, AWS (SQS, Lambda, ECR, EC2), Firebase

- Built a **3-service distributed application** (web-client in Next.js/TypeScript, api-service in Python, and a containerized Python batch-worker) processing **30,000–40,000 high-resolution photos per event** across **1,000+ attendees**.
- Designed a cost-optimized, event-driven cloud pipeline using **AWS SQS** and **AWS Lambda** to dynamically launch ephemeral **EC2** instances from predefined templates pulling the Dockerized worker from **AWS ECR**, auto-terminating instances upon job completion.
- Implemented sub-second selfie-to-gallery facial recognition (InsightFace) across 4 role-based portals (Admin, Photographer, Attendee, Organizer), storing facial embeddings, JSON metadata, and raw assets in **Cloudflare R2** and **DynamoDB**.

Full-Stack Developer (Freelance) | DMC 101st Foundation Day

Remote | Feb 2026

QR Event Check-In & Service Redemption System • Next.js, TypeScript, Tailwind CSS, Node.js, Amazon DynamoDB, Firebase, AWS

- Developed and deployed a live event check-in and service-redemption web application for the DMC 101st Foundation Day, managing registration and on-site verification for **700–800 students and alumni**.
- Built bulk Excel guest import to generate unique guest IDs and QR passes with atomic **one-time-use state locking in DynamoDB** across service counters, alongside post-event admin analytics and Excel reporting exports.

Full-Stack Developer (Freelance) | PMC Alumni Association (PMCAA)

Remote | Sep 2026

Community & Reunion Portal • pmcalumniassociation.com • Next.js, TypeScript, Tailwind CSS, PostgreSQL, AWS, Cloudflare

- Built and deployed the live public website and reunion registration platform for the Patna Medical College alumni community ahead of its 2027 reunion.

OPEN-SOURCE PROJECTS

MiniLedger — Personal Debt & Lending Manager (Android)

Oct 2026

github.com/surajmishra12/miniledger • React Native, TypeScript, Node.js, PostgreSQL, Firebase

- Developed and open-sourced a cross-platform **React Native** Android application for tracking personal debts, lent money, counterparty balances, and settlements, backed by a **Node.js** REST API and serverless **PostgreSQL**.

EDUCATION

Bachelor of Technology (B.Tech) in Artificial Intelligence & Machine Learning

Expected: April 2027

Nalanda College of Engineering | Bihar Engineering University, Bihar, India