

# SUVADEEP GHOSHAL

Senior Software Engineer | 5+ yrs | React · Node.js · TypeScript · AWS

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## PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years at LTIMindtree (incl. 2 yrs onsite UK) shipping production MERN/Next.js platforms serving 50,000+ daily users. Cut API latency by 60%, lifted UI performance by 35%, and reduced payment fraud by up to 85% via OAuth 2.0/OIDC + OCR/biometric flows. Strong in microservices, event-driven AWS architecture, CI/CD, and mentoring distributed teams.

## CORE STACK

**Languages:** TypeScript, JavaScript (ES6+), Java, HTML5, CSS3, SQL

**Frontend:** React.js, Next.js, Redux, Zustand, React Query, AEM, Webpack, Babel

**Backend:** Node.js, Express.js, NestJS, Spring Boot, REST, Microservices, Event-Driven

**Databases:** MongoDB, PostgreSQL, Prisma ORM

**Cloud & DevOps:** AWS (EC2, S3, SQS/SNS, SSM), Docker, Kubernetes, Jenkins, Bitbucket Pipelines

**AI / Agentic Dev:** AWS Kiro (spec-driven development), custom agents, steering documents, hooks, memory & context tuning, daily AI feedback loops

**Testing & Quality:** Jest, Vitest, Mocha, Cypress, TDD, Code Review

**Security & Practices:** OAuth 2.0, OpenID Connect, JWT, RBAC, SOLID, Clean Architecture, Agile/Scrum

## PROFESSIONAL EXPERIENCE

### LTIMindtree — Senior Software Engineer

Bangalore · Bracknell (UK) · Kolkata

Mar 2021 – Present

Tier-1 IT Services MNC

- Shipped React/Next.js + Node.js platforms serving **50,000+ daily users** across UK and India deployments; owned end-to-end delivery from scoping to production rollout.
- Re-engineered REST APIs on Express.js and NestJS, **cutting average API response time by 60%** and removing peak-hour timeouts without scaling infrastructure cost.
- Led AngularJS → Next.js migration of a customer-facing portal, **lifting UI performance by 35%** and enabling SSR for faster first-load and SEO gains.
- Built and shipped two fraud-prevention products (OCR card + biometric customer flows), **cutting fraudulent transactions by 75–85%** and protecting customer payments at scale.
- Designed event-driven backends on **AWS SQS/SNS** using SOLID and clean-architecture patterns, decoupling downstream services and improving fault isolation.
- Mentored **10 junior engineers**; ran Agile ceremonies and stakeholder alignment across UK onsite and India offshore teams. Hardened CI/CD on Bitbucket Pipelines + Jenkins with Jest/Vitest gates for safer releases.

## KEY PROJECTS

### OCR Payment Verification — “Trust the Card” · Lead Dev (India)

NestJS · OAuth 2.0 · OIDC · 2025

- Led OCR-based card verification with OAuth 2.0 / OIDC, **reducing fraudulent transactions by 85%** in production; owned API contracts, threat model, and end-to-end QA.

### Vehicle Exchange Platform · Full-Stack Engineer (UK)

MERN · AWS S3 · JWT · 2024

- Delivered a contactless license-plate-scan exchange flow with JWT auth and S3 storage, **replacing manual paperwork** at pilot sites; tuned Webpack/Babel build to shrink bundle size.

### Biometric Verification System — “Trust the Customer” · Lead Dev (UK)

MERN · OAuth 2.0 · OIDC · 2023

- Launched MERN-based biometric login with OAuth 2.0 / OIDC, **cutting account-takeover fraud by 75%** within the first release window.

### Express Exit Pass System · Lead Dev (India)

Next.js · Zustand · NestJS · 2022

- Built a QR-code self-service rental-return flow that **removed the front-desk handoff** and lifted customer satisfaction across pilot locations.

### Contactless PreCheck · Developer (India)

React · Spring Boot · JWT · 2021

- Shipped a contactless check-in flow on React + Spring Boot with JWT auth that **cut counter wait time by 76%**.

## EDUCATION

B.Tech, Electrical Engineering · MAKAU of Technology, Kolkata

DGPA 8.00 / 10 · Jun 2016 – Jun 2020