

Maitrish Mukherjee

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PROFESSIONAL SUMMARY

A full-stack engineer & architect with 3.3 years of experience in e-commerce, ed-tech, and SaaS. A founding engineer specializing in React, Python, SQL, AWS infrastructure, and end-to-end product engineering.

Areas of functional expertise:

- React.js Frontend
- REST API Design
- AWS Cloud Infrastructure
- Node.js & Python Backend
- SQL & NoSQL Database Design
- DevOps & CI/CD Pipelines

FUNCTIONAL SKILLS DEMONSTRATED

[CheckMe Commerce Private Limited](#)

August 2025 – Present

An E-Commerce startup with ~₹2Cr+ GMV influenced & 30,000+ customers, building a SaaS platform & marketplace that helps D2C brands sell high consideration products through live, expert-led demos, for clients like [SharkNinja](#), [EcoFlow](#), [Dreame](#) & Vivo.

Full Stack (Founding) Engineer

First engineer (solo for first 3 months), builds the full-stack platform end-to-end, leads a team of 6, owns architecture, developer hiring, & infrastructure across web, API, & cloud. ([chqme.com](#), [book.chqme.com](#), [experienceos.chqme.com](#))

- **React.js Frontend:** Architects 10+ Next.js (14–16) production frontends solo, consumer booking, admin console, & partner portal, using Next.js microfrontends, Shadcn/ui, Redux, TailwindCSS, TypeScript, serving 30,000+ customers at 25%+ demo-to-purchase conversion.
- **Node.js & Python Backend & REST API Design:** Engineers 5 FastAPI microservices along with 120+ RESTful APIs with SQLAlchemy covering demos, CRM, partner ops, & admin, with ZegoCloud & LiveKit WebRTC integration, Razorpay payment pipelines, & multi-channel notifications (SMS, WhatsApp, SES email).
- **SQL & NoSQL Database Design:** Manages & designs 60+ table PostgreSQL schema on Multi-AZ RDS covering 7 order types, multi-stage status tracking, RBAC across 9 role types, OTP auth, Razorpay payment verification, & multi-tenant SaaS mode via feature flags.
- **AWS Cloud Infrastructure:** Owns AWS production infra in ap-south-1, ALB routing across 5 services, WAF with DDoS/XSS/SQLi rules, Multi-AZ RDS, EC2 for servers, S3 for recordings & exports, & Route53 DNS.
- **DevOps & CI/CD Pipelines:** Builds CI/CD via GitHub Actions with self-hosted runners, Docker, & EC2-based deployments. Established engineering standards & managed releases across 10+ frontend apps & 5 backend microservices.

[MathonGo](#)

August 2024 – August 2025

An Ed-Tech startup with ~₹5Cr revenue (FY2025) with a 2.5M+ user base helping Class 11-12 students crack IIT JEE, BITSAT, NEET & other competitive exams through the [Quizrr](#), [Marks](#) & MathonGo apps providing test series, video courses, & prep tools.

SDE-1

Owned frontend and contributed to backend and data integrations in a team of 10, across the Quizrr ecosystem.

- **React.js Frontend:** Led CRA to Vite/TurboRepo migration (93% faster builds, 50% faster loads, 21% smaller bundle). Overhauled test-taking and analysis flows cutting 16,000 lines of legacy code. Shipped [JEE College Predictor](#) to 400K+ users in 48 hours. Drove 28% test completion lift via WebEngage A/B testing. Hit 95+ Lighthouse scores, contributing to platform growth from 1M to 2.5M students.
- **REST API Design:** Integrated WebEngage event tracking and A/B testing APIs across onboarding and test flows, driving a 28% increase in test completions and 35% increase in Test Analysis engagement on a 2.5M-user platform.

- **Node.js & Python Backend:** Designed and developed 20+ REST APIs across test submission, question journey tracking, performance analysis, and score potential flows; collaborates with backend on RESTful API contracts for attempt state, freemium gating, and real-time leaderboard data via Redis.
- **SQL & NoSQL Database Design:** Worked with MongoDB collections for test analysis, question journey, and mistake tracking. integrated Redis-backed leaderboard APIs and designed client-side state structures mirroring attempt, score, accuracy, and time-per-question data.

Codebuddy Private Limited

May 2023 – August 2023

A software development studio with 30 employees & ~₹9Cr revenue (FY2025), 96% repeat clients & 100k users (CostGPT), building web apps, CRMs, marketplaces, & e-commerce platforms for clients across US, UK, Canada, Europe in insurance, retail, & education.

React Developer

Developed client-facing web platforms & RESTful APIs, focused on performance optimization and rapid delivery.

- **React.js Frontend:** Delivered 2 production client platforms in 3 months using Next.js SSR and SWR caching, 45% faster load times with zero stale data issues.
- **Node.js & Python Backend & REST API Design:** Built 20+ REST APIs for a car rental platform and freelancing portal, covering end-to-end CRUD for listings, bookings, user auth, and transactions using Node.js routes.

FWC Inc

May 2022 – May 2023

An IT consulting & HR-tech company with ~₹6.5Cr revenue (FY2025), building enterprise SaaS for workforce management, their flagship FWCTalent VMS helps Fortune 500 clients across IT, Telecom, & Healthcare manage all HR operations from one platform..

UI Developer

Developed and maintained enterprise SaaS frontends, and RESTful APIs.

- **React.js Frontend:** Built HR SaaS frontend with RBAC, 3 distinct dashboards (Admin, Manager, Recruiter), 20+ screens, and real-time Chart.js + Firebase visualizations; cut page load from 3.4s to 1.8s.
- **Node.js & Python Backend & REST API Design:** Develops 30+ REST APIs across Admin, Manager, and Recruiter dashboards for a multi-role HR SaaS platform serving enterprise clients.

EDUCATION

Bachelor of Computer Applications (Computer Engineering). *Acharya Institute of Graduate Studies* (Bengaluru, KA)

OTHER RELEVANT INFORMATION

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

Frontend: React, Next.js, Vite, TurboRepo, TailwindCSS, Zustand, Redux Toolkit, React Query, Shadcn/ui

Backend: Node.js, FastAPI, SQLAlchemy, PostgreSQL, REST APIs, Pydantic

Cloud & DevOps: AWS (EC2, ALB, RDS, S3, WAF, SES, Route53, IAM), Docker, GitHub Actions

AI Tools: OpenAI Codex, Claude code, OpenClaw, Antigravity