

ANKITA MONDAL

Senior Software Engineer | Full Stack (Backend Heavy)

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SUMMARY

Results-driven Senior Full-Stack Engineer (Backend-Heavy) with **5+** years of experience architecting and scaling distributed systems, microservices, and event-driven platforms across web and mobile. Delivered high-impact features serving **763K+** **active listings** across **3 markets** within a 5–8 member engineering team. Proven track record of driving platform modernization, optimizing system performance, and end-to-end product delivery.

TECHNICAL SKILLS

TypeScript, JavaScript, SQL, Node.js, NestJS, Express, Fastify, React, Next.js, React Native, GraphQL, REST APIs, PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, RabbitMQ, Kafka, Git, GitHub Actions, AWS, Docker, Kubernetes, Terraform, ArgoCD, CI/CD Pipelines, Datadog, Kibana, System Design, Agile, Scrum, AI-assisted development (Claude, GitHub Copilot)

EXPERIENCE

PropertyGuru Group (via Recro)

Sep 2024 – Present

Senior Software Engineer – Full Stack

Hyderabad, India

- Architected event-driven listing syndication platform processing **3,730+ daily listing operations** for luxury property segment via **James Edition API** integration, covering partner eligibility rules, XML feed generation, and scheduled lead ingestion into PropertyGuru's Enquiry API; platform ran successfully in production for **1.5 years**.
- Resolved critical production issues across syndication pipeline — **RabbitMQ** failure handling, **MySQL** distributed locking, and incomplete listing data recovery — achieving maintaining **near 0% error rate** across **3,730+ daily operations**.
- Modernized lead routing by extending **NestJS microservices** for WhatsApp and phone enquiries and migrating legacy PHP/Symfony email routing, preserving downstream dependencies and partner-specific webhook metadata.
- Delivered **mobile OTP verification and lead-gating** across **Next.js** web application and **React Native** App for **3 enquiry flows**—Call, WhatsApp, and Contact Agent—across **193K+ Thailand listings**; contributed to an approximately **20% increase** in Thailand(DDproperty) conversion rates .
- Redesigned the **Elasticsearch** price-range search model using a unit-type-level schema, resolving unit-level price relationship limitations across **763K+ active listings**; led market-wise rollout across **3 markets** — Singapore (105K), Malaysia (464K), and Thailand (193K).
- Migrated **2 legacy Guruland user journeys** to React/NestJS, moving BFF APIs to modern upstream microservices and productionizing the application with **Kubernetes, Terraform, Cloudflare, and deployment pipelines**.
- Led TOL(thinkofliving) modernization from **Node.js 16 to 22, Next.js 10 to 15, and React to 18**, resolving compatibility, build, routing, and styling issues and migrating tests from **Enzyme to React Testing Library**.

PureCode.AI

May 2023 – Jul 2024

Full Stack Engineer

Hyderabad, India

- Architected the paid-subscription foundation using **Node.js, Stripe, PostgreSQL, and MongoDB**, integrating Stripe Checkout, webhook-driven subscription synchronization, and backend access control; supported **200+ paying subscribers** with reliable payment processing and subscription lifecycle management.
- Extended authentication with **Google and GitHub OAuth** alongside JWT-based authentication, implementing database migrations for account and access-control changes; OAuth integration drove a **12% boost in signup conversion**; independently integrated **Hotjar** and **Mixpanel** for product analytics across **5,000+ monthly active users**.
- Built full-stack capabilities across an AI-powered code-generation platform using **Node.js, PostgreSQL, MongoDB, React, and Next.js** serving **5,000+ monthly active users**; introduced **GraphQL** during the React-to-Next.js migration, improving Lighthouse-measured page performance by approximately **15%**.

DigitalSherpa.ai

Jun 2021 – Apr 2023

Software Engineer

Kolkata, India

- Designed and built a serverless **WhatsApp conversational bot** using **Node.js, AWS Lambda, DynamoDB, WhatsApp Business API, webhooks and CloudWatch**; successfully piloted with **100+ users** on a serverless backend.
- Developed **REST APIs** and UI features for journaling and workflow-management applications using **Node.js, MongoDB, Angular** and Camunda BPMN, with contributions across applications using frameworks like **React, Flutter**.