

Rajat Mondal

AI Product Engineer

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SUMMARY

AI product engineer with five-plus years of shipping products. I build the AI layer from infrastructure to interface, inside a product you already have or from scratch. Currently I own the AI infrastructure at Bask Health.

SKILLS

AI: LangChain, Vercel AI SDK, Vercel EVE

Frontend: TypeScript, Next.js, React, React Native, React Flow, Puck, TailwindCSS

Backend and data: Nest.js, tRPC, GraphQL, PostgreSQL, Prisma, Drizzle, Supabase, Convex

Tools: Plain, Linear, Slack, Ably, PostHog, Clerk, AWS, Vercel

EXPERIENCE

Software Engineer, Bask Health | Mar 2026 - Present

- Own the AI infrastructure, built on LangChain: summarization, PII redaction, a checkpoint, and thread pruning. Tested the same setup against the Vercel AI SDK.
- Replaced the legacy system and moved responses onto SSE. After the refactor, the same response went from 1,015 KB and 17.40s to 2.7 KB and 9.46s.
- Connected traces to Slack for a daily alert on what the assistant is missing, what users want, and how they use it.
- Automated support through Plain and request handling through Linear.
- Connected the agent to the website builder (Puck) and the flow builder (React Flow) so the canvas updates live.

Frontend Engineer, Bask Health | Sep 2025 - Mar 2026

- Replaced fixed subscriber pricing, which had no history and took days to change by hand, with a digital contract the subscriber signs. Prices can change and the record stays.
- Rebuilt the CS portal, which was duplicated native HTML, onto a shared base UI built for those elements, in a monorepo.

Software Engineer, Zolidar | Sep 2024 - Aug 2025

- Tech lead for The Grid community platform: built the UI with GraphQL integration and redesigned the AI chatbot interface.
- Built real-time features with Ably: live presence, user following, component locking, and real-time commenting.
- Added end-to-end tests and real-time Google Chat notifications for critical jobs, reducing bugs and speeding up the team.
- Built the advisor tier for employee ownership transitions and cut loading times across the platform.

Senior Fullstack Engineer, ABCXChange | Jul 2022 - Aug 2024

- Led engineering and built the products from scratch: website, web platform, mobile app, and admin panels.
- Built two secure web applications with authentication using React, React Query, React Hook Form, and Yup, on a Nest.js, Prisma, and PostgreSQL backend.
- Built the React Native app, iOS first, with OTP login through Twilio, biometric authentication, and release management.
- Overhauled the member web application and business process automation, integrated PostHog analytics, and ran email campaigns with Listmonk.

Software Developer and Technical Consultant, Surplus | Jan 2024 - Aug 2024

- Maintained the React Native Android app: fixed critical bugs and built onboarding and reward flows, expense tracking, and account aggregation.
- Integrated PostHog and built user journey funnels to find drop-off points. Revamped the company website.

Software Developer, Codebuddy Pvt. Ltd. | Feb 2022 - Oct 2022

- Built order delivery applications, a CMS, and WhatsApp bots with React and Next.js at a SaaS company.

Junior Angular Developer, Agpaytech | Aug 2021 - Dec 2021

- First role. Started on Angular and moved to React.

PROJECTS

Replyas, shared inbox for teams | replyas.com | June 2025

- Built a shared inbox in Next.js, React 19, and TypeScript so teams manage support email without sharing passwords. Postmark webhooks parse inbound mail, with threading and spam filtering.
- Added a five-stage status flow, @mentions, internal chat, and custom domain verification on Supabase.

Datadock, AI database management tool | datadock-ai.vercel.app | October 2024

- Turns a plain-language request into a PostgreSQL query. The AI runs SELECT statements only, so data cannot be changed, and a condensed schema catalog keeps cost and hallucinations down.
- Added relationship diagrams, searchable table views, and admin panels generated from the schema.

Zama, interactive email marketing for Shopify | January 2024

- Built interactive AMP email templates so customers browse products, pick variants, and buy inside the email.
- Synced products through the Shopify API for live inventory and pricing, with upsell, discount, and feedback templates.