Chinton Dutta

AI Full-Stack & DevOps Engineer

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Summary

AI engineer who has independently shipped three production SaaS platforms covering voice AI, support automation, and AI code generation, with end-to-end ownership from LLM architecture to Kubernetes deployment. Currently a GTM Engineer at ClickLyft, building acquisition and monetization systems for insurtech clients.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, Bash
AI / ML: LLMs, RAG, Multi-Agent Systems, Transformers, Fine-Tuning, HuggingFace, PyTorch, Vector DBs
Frontend: Next.js, React, Tailwind CSS, shadcn/ui, Radix UI, TanStack Query
Backend: Node.js, Express.js, FastAPI, tRPC, REST APIs, WebSockets, Prisma ORM, Inngest
Databases: PostgreSQL, MongoDB, Redis, Neon Serverless Postgres, Cloudflare R2, Convex
DevOps: Docker, Kubernetes, Helm, ArgoCD, AWS, GitHub Actions, Prometheus, Grafana

Professional Experience

GTM Engineer Sep 2026 – Present
ClickLyft *Kolkata, India*

- Build and maintain the technical systems behind client acquisition and monetization for insurtech and lead-gen clients, including data pipelines, backend infrastructure, and performance marketing tooling.
- Work directly with the founder to scope, architect, and ship technical solutions across client engagements.

Founding Engineer Nov 2025 – Sep 2026
FREMN *Kolkata, India*

- Built a multi-tenant AI SaaS for dental practice management, including WhatsApp-native booking, an AI voice agent, and automated missed-call recovery, live with pilot clinics.
- Deployed Kubernetes infrastructure with ArgoCD and Helm, bringing deployment cycle time down to under 8 minutes and enabling zero-downtime releases across dev and staging environments.

Backend & DevOps Intern Aug 2025 – Nov 2025
Yolopment IT Solution *Kolkata, India*

- Owned backend API development for client-facing products, designing relational schema and building RESTful endpoints to support new product features end-to-end.
- Architected the multi-tenant backend for a hospitality management system's booking module, implementing tenant-ID-based row-level isolation to securely separate hotel and restaurant client data.

Projects

Echo: AI Text-to-Speech & Voice Cloning Platform [Live] [GitHub]

- Engineered a multi-tenant TTS SaaS where users clone voices from audio uploads, storing files in Cloudflare R2 and mounting them directly into Modal A10G containers to keep the app server fully stateless.
- Deployed Chatterbox TTS as a FastAPI ASGI app on Modal GPU, supporting 10 concurrent requests with persistent model loading that cut cold-start latency by roughly 80%.

Solvia: AI-Powered Customer Support Platform [Live] [GitHub]

- Built a multi-tenant AI support platform with a per-organization RAG knowledge base and automatic AI-to-human escalation, cutting first-response time to under 3 seconds across all incoming chats.
- Designed a real-time operator dashboard on Convex's reactive backend, synchronizing live conversation updates across the widget and dashboard without building a custom WebSocket layer.

Cortex: AI-Powered Web App Code Generator [Live] [GitHub]

- Architected a multi-agent GPT-4.1 pipeline that decomposes natural language prompts into fully deployed, multi-file Next.js applications, using Inngest to durably orchestrate generation steps without losing state on failure.
- Integrated E2B cloud sandboxes to isolate and hot-reload generated code in real time, streaming a fully working live preview URL into the chat UI in under 90 seconds.

Education

Techno India University Kolkata, India
BCA(H) - Bachelor's in Computer Application (Honours) *Sep 2023 – Aug 2027*