

Debayan Das

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EXPERIENCE

Breakthrough

Aug 2024 – Present

Software Engineer

New York, US (Remote)

- Ship **Flutter** features end to end on iOS and Android, owning each one from backend API design through mobile UI and **App Store / Play Store** release.
- Increased crash-free sessions from **66% to 94%** by introducing structured logging, real-time error tracking, and tighter error boundaries.
- Automated releases for **80+ white-label partner apps** built from one **Flutter** codebase: an admin panel drives build, review submission, and **App Store / Play Store** release through the **Codemagic**, **App Store Connect**, and **Google Play Developer** APIs, turning a week-long cycle with **10+ hours** of manual builds and submissions into a few clicks and failure handling while builds run.
- Built **AI agent** workflows for test scaffolding and code review that took the app from zero automated tests to **600+ unit and widget tests** and **5 integration tests**, cutting roughly **6 hours** of manual test and review work each week; maintain the prompts and guardrails that keep their output reliable.
- Shipped native **Picture-in-Picture** on both **Android** and **iOS** over **platform/method channels**, writing the **Kotlin** and **Swift** side the plugin ecosystem does not cover.
- Joined as an early engineering hire; mentor junior engineers through onboarding and code review.
- Built subscription and payment flows in the Flutter client with **Stripe** and **RevenueCat**, keeping billing state consistent across both stores.
- Structured mobile features around **Clean Architecture** with **Riverpod** state management and reusable components, and debug performance, memory, and rendering issues with **Flutter DevTools**.
- Designed and maintain a **TypeScript/Node.js** backend that unifies subscription state and pricing across App Store, Play Store, **Stripe**, and **RevenueCat**; partners create products, change prices, and schedule time-boxed sales that revert automatically, cutting manual per-store product setup by **70%**.
- Built and maintain **ETL pipelines** on **BigQuery** and Cloud Scheduler that consolidate Stripe and RevenueCat billing and analytics data; replaced recurring ops workflows with scheduled **Cloud Functions**.
- Cut partner onboarding manual work by **50%** with an infrastructure-automation stack: a Dockerized **Express** service on **AWS**, **Pulumi**-managed **GCP/Firebase** provisioning, and scripts for data seeding, PR creation, and third-party setup.

Pherico

Jun 2024 – Aug 2024

Full Stack App Developer

Remote

- Built auth and **role-based access control** with **Firebase Auth** and **Firestore Security Rules**.
- Integrated **REST APIs** into Flutter clients, tuning payload shape and pagination for snappier UX.
- Contributed to serverless backend services on **Node.js** and **Google Cloud Functions**.

Horizon Views

May 2024 – Jul 2024

Freelance Engineer

Remote

- Built a Security Staff Operations Portal for managing field ops, scheduling, and reporting as the solo engineer, from requirements through deployment. Stack: **Flutter**, **Firebase**, **Node.js**.

Locamart Online Services

Jan 2024 – Jul 2024

Fullstack Product Engineer, Intern

Noida, India

- Built a hyperlocal e-commerce platform from scratch: **Flutter** mobile client backed by **REST APIs** and **Firebase**.
- Designed **NoSQL** data models for real-time inventory and order processing.
- Set up **CI/CD** pipelines and deployment automation; integrated payment gateways and collaborated with cross-functional teams on operational workflows.

PROJECTS

- Lantern** | *TypeScript, Bun, Hono, React, SQLite, Zod, Transformers.js* github.com/noobiethe13/lantern
- Self-hosted job-search pipeline that turns a plain-English query into structured criteria, pulls postings from **327** seeded sources (Greenhouse, Ashby, Lever, Workday among them) through 15 source adapters behind an **SSRF** guard, and drops mismatches on title, location, salary, seniority, and freshness with deterministic rules before any job reaches the LLM.
 - Grades survivors 20 per headless **Claude Code** call to spread the fixed per-call token overhead; every response is checked against a **Zod** schema and retried once with a stricter prompt, auth and missing-CLI errors abort immediately, and three failed batches in a row end the run.
 - Rule-based ghost-job scorer rates each posting on age, days observed open, description length, apply-page status, and same-board reposts, and lists the reasons for every rating; a local **all-MiniLM-L6-v2** embedding model on CPU pre-ranks survivors and merges reworded same-employer reposts at cosine similarity ≥ 0.95 .
- Lacia** | *Next.js, Go, Node.js, Docker, SQLite, GitHub API, Gemini* github.com/noobiethe13/lacia
- Self-hosted **autonomous SRE agent** that watches production logs, reproduces crashes in a sandbox, and opens tested pull requests end to end with no human in the loop.
 - Next.js control plane; a **Go**-based Watcher CLI streams stack traces via webhooks; Google Gemini handles root-cause analysis through structured tool calls.
 - Sandboxed test execution and PR automation via the GitHub API; SQLite for run history and audit trail.
- HomeDrop** | *Flutter, Dart, Riverpod, Drift, Shelf, mTLS* github.com/noobiethe13/homedrop
- Cross-platform **peer-to-peer** file transfer app for all 5 platforms (Android/iOS/Windows/macOS/Linux) that sends files, folders, and clipboard content directly between devices on a local network with **no cloud or account**.
 - Built a custom **HTTPS** transfer server in pure **Dart** with **Shelf**, secured by **mutual TLS** with self-signed certificates and **SHA-256** fingerprint pinning; devices establish trust via QR-based pairing.
 - Automatic device discovery over **mDNS** with subnet-sweep fallback; resumable transfers via **HTTP Range** requests, with **Clean Architecture** and reactive **Drift** streams driving live UI updates.
- EverYou** | *Django, GCP Compute Engine, Async Processing, AI APIs* debfolio.netlify.app
- Digital legacy platform running **Django** on **GCP Compute Engine** with async job processing for AI workloads, so inference does not block user requests.
 - Rate limiting, structured logging, and health monitoring for third-party AI APIs.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Dart, Python, SQL, Go, Kotlin, Swift
Mobile: Flutter (iOS & Android), BLoC, Riverpod, Provider, go_router / Navigator 2.0, Platform/Method Channels, Picture-in-Picture, Flutter DevTools, App Store Connect, Play Console
Frameworks & Runtimes: Node.js, Bun, Express.js, React, Next.js, Django
Architecture & Testing: Clean Architecture, MVVM, unit / widget / integration tests, test-driven development, responsive UI
Cloud & DevOps: Google Cloud Platform (Cloud Functions, Cloud Run, BigQuery, Pub/Sub), AWS (Lambda, S3, RDS), Docker, Pulumi, CI/CD, GitHub Actions, Codemagic
Databases: PostgreSQL, Firebase, Firestore, SQLite, Drift, NoSQL
Practices & Tools: REST APIs, Payment Integration (Stripe, RevenueCat), Firebase Auth, ETL Pipelines, Webhooks, Serverless, Structured Logging, Git

EDUCATION

Amity University, Noida
Bachelor of Technology in Computer Science

Noida, India
Sep 2021 – Jun 2025