



Aranya Dutta

Backend Engineer · Go · Distributed Systems · Cloud & Observability

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Scan for
portfolio

Experience

AntBox Technologies

Intern

July 2026 – Present

Bhubaneswar, Odisha

- Automated publishing with the **Notion API** and **GitHub**, opening PRs to production for a **180-item backlog**.
- Fixed a silently failing **CI/CD pipeline** in **GitHub Actions**, which led to merging two repositories into one.
- Re-architected the pipeline around a single JSON data model with **build-time validation**.

Projects

adbreak | Go, Gemini (Vertex AI), Whisper, FFmpeg, Google Cloud Run

hoichoi Hackathon '26

Live: adbreak.aranyadutta.dev · Code: github.com/thisisaro/adbreak

- Built solo in 12 hours: a **Go backend** that places ad breaks in Bengali drama only at speech-free points.
- Enforced safety rules in code, not the AI model, rejecting **109 mid-dialogue cuts** across 6 episodes.
- Deployed on **Google Cloud Run** with **CI** in GitHub Actions (40 tests) and per-job cost caps; 6 episodes cost about **\$1**.

Momotaro | Go, gRPC, Kafka, PostgreSQL, Redis, Docker, Kubernetes

Aug 2026

Demo: youtu.be/7bl20lt-pLo · Code: github.com/thisisaro/momotaro

- Payment recovery agent as **9 Go microservices** on **Kafka** and **gRPC**; beat naive retries by **26%** on **44% less spend**.
- Guaranteed **exactly-once** payment actions under at-least-once delivery using Postgres idempotency keys.
- Fixed a **Kafka offset-commit race** with a single committer goroutine, verified 20/20 under concurrency.

Carzz | Go, gRPC, RabbitMQ, OpenTelemetry, Jaeger, Kubernetes

May 2026 – July 2026

Code: github.com/thisisaro/carzz

- Ride-hailing backend as **4 Go microservices**, using **gRPC** and **RabbitMQ** for the trip, match and payment flow.
- Added **distributed tracing** with **OpenTelemetry** and **Jaeger** across HTTP, gRPC and RabbitMQ.
- Ran the full stack on local **Kubernetes** with Tilt; integrated Stripe payments via webhooks.

Technical Skills

Languages: Go, Python, Java, C, C++

Technologies: gRPC, REST APIs, Docker, Kubernetes, PostgreSQL, Kafka, Redis, Prometheus, OpenTelemetry

Concepts: Microservices Architecture, Distributed Systems, Event-Driven Architecture, Observability, API Design

Certifications & Achievements

- Top 10**, hoichoi Hackathon '26 for adbreak (solo build, 12 hours)
- IBM DevOps and Software Engineering Professional Certificate (Coursera)
- Google Cloud Skill Badges: Kubernetes in Google Cloud, Cloud Computing Fundamentals
- JLPT N5, December 2025; preparing for N3
- 2nd Runner-up, ICDCIT Hackathon 2024 (100+ teams)
- Codeforces Pupil · LeetCode 1623 (leetcode.com/u/thisisaro) · GeeksforGeeks 450+ problems

Education

Kalinga Institute of Industrial Technology (KIIT)

2023 – 2027

B.Tech in Computer Science and Engineering | CGPA: 8.14 / 10.00

Bhubaneswar, Odisha