

ASISH MAHAPATRA

Bengaluru, Karnataka

+91-8104634607 ✉ asishmahapatra918@gmail.com 📄 asishmahapatra918 🌐 asish918 🌐 asish918.github.io/portfolio

EXPERIENCE

Kickdrum

Software Engineer

Jan 2024 – Present

Bengaluru, Karnataka

SDE-2

Jul 2025 – Present

- Delivered a flagship **real-time event dashboard** — end-to-end streaming via **Postgres LISTEN/NOTIFY, SignalR, Redis, and Server Sent Events** with optimized fan-out for low-latency delivery.
- Engineered a custom **Debezium MSSQL Change Tracking connector** forking and extending the Open Source connector while keeping full schema compatibility with the existing **Kafka/Flink** ETL pipeline.
- Built a **config-driven employee development-planning framework** enabling career-progression tracking across disciplines within the org's performance management platform.
- Spearheaded migration of fragmented **IaC** from legacy CloudFormation to a modular **AWS CDK architecture**, importing stateful resources with **zero downtime and zero data loss**.
- Re-architected the authorization model, replacing DynamoDB permission checks with **Amazon Verified Permissions (Cedar)** for **policy-driven RBAC** and **Cognito token enrichment**.
- Built a **Go developer CLI (OAuth 2.0 + PKCE, goroutines)** to provision isolated dev environments; migrated the codebase into an **Nx monorepo**. **Mentored 30+ interns** across Frontend/Backend/AWS tracks.

SDE-1

Jul 2024 – Jul 2025

- Contributed across a polyglot telecom charging platform (**Spring Boot, Go, Scala, Python, Flink, AWS CDK**); modernized legacy Java runtimes cutting latency by **~10%** and deployment time by **~33%**.
- Built a **batch latency-sampling framework in Go** publishing **CloudWatch EMF** p50/p90/p99 metrics; optimized Lambda cold starts with **SnapStart** and **tuned Flink jobs over Kinesis streams**.
- Developed a **microservices Talent Acquisition platform (Spring Boot + Temporal)** with **Micro Frontends** via **Module Federation**, shipping **15+** admin screens (UI, API and integrations) in a single sprint leveraging enhanced **AI-Assisted Workflows**.
- Migrated a performance-assessment platform from an always-on to a **fully serverless AWS** architecture, cutting infrastructure cost by **~90%** while holding scalability through peak cycles.

SDE Intern

Jan 2024 – Jul 2024

- Designed and built a full-stack **multi-tenant Hotel Booking Engine** supporting multiple hotel chains with configurable room/guest types, pricing models, and multilingual support.
- Addressed concurrency with **optimistic and pessimistic locking**; owned the full **AWS** footprint (ECS Fargate, RDS, DynamoDB, S3, CloudFront, Cognito, Step Functions, CodePipeline).
- Delivered production features with **React, Vite, Spring Boot, Java, TypeScript**; drove critical paths to sub-millisecond responses via **multi-layer caching** and **CDN strategies**.

Freelance

May 2023 – Jul 2023

Freight Digitisation (clients: JSW, Tata Steel)

Remote

- Built a pixel-perfect **mobile app** from scratch with **React Native** for a freight-digitisation product serving **JSW** and **Tata Steel** logistics operations.
- Orchestrated **Redux** state with **Redux Sagas** for async REST middleware, **secured session data via AsyncStorage**, and **integrated PDF upload/viewer** and **WebView** functionality.

TECHNICAL SKILLS

Languages: TypeScript, Go, Java, Python, Scala, SQL

Frameworks & Runtime: React, Redux, Node.js, Spring Boot, Nx, Astro, React Native

AWS & Cloud: AWS (CDK, Lambda, ECS, DynamoDB), Serverless Framework

Data & Streaming: PostgreSQL, Redis, Kafka, Flink, Temporal

Tooling & Ops: Docker, Git, Cypress, Linux, Neovim

EDUCATION

Kalinga Institute of Industrial Technology

Bachelor of Technology, Information Technology - CGPA - 8.58

Sep 2020 – Apr 2024

Bhubaneswar, India