

SOUBHIK KUMAR GON

Bhubaneswar, India

GitHub | Email | LinkedIn | Phone: +91-6370462354

Education

International Institute Of Information Technology, Bhubaneswar
B.Tech Information Technology | GPA: 7.98 (Post 4th semester)

Bhubaneswar, Odisha
Nov 2022 - Jul 2026

Experience

Creuto Cloud

Associate Software Engineer

Remote

Apr 2024 - Present

- Integrated Razorpay and Stripe payments in **Feathers.js** with **Webhook** support and anti-deduplication to ensure seamless payment flows.
- Integrated Android and iOS push notifications with backend services using **FCM** and **Apple PNS**, triggering notifications on internal events.
- Improved authentication flows by implementing **RBAC**, **ACL**, and custom strategies for authentication.
- Developed a **RTC** system by integrating **Agora** and **NestJS**, minimizing **WebSocket Server Ingress** to enhance performance by **65%**. Utilizing **BullMQ** job queues and **Redis** for **multi-device socket**, **room management** and **data sync**.

SDE Intern

Jan 2024 - Apr 2024

- Developed **REST APIs** for Creuto's Internal Messaging System with **NestJS**, **MongoDB**, and **AWS**.
- Engineered core APIs and event-driven services for ERP software, leveraging **Feathers.js**, **Redis**, and **MongoDB** for efficient data management and processing.

Projects

Watchdog Cloud

Source

Tech Stack: Golang, Apache Kafka, Redis Cache, Feathers.js

Designed and implemented a monitoring and alerting server for distributed applications. Aggregates, analyzes, and computes metrics using advanced algorithms to detect anomalies and alert stakeholders when hardware usage spikes.

- Managed over **1.3 million** requests from **16** live servers over 2 months, processing **1.2GB+** of data with exceptional reliability.
- Engineered a **fault-tolerant microservice** architecture for **CPU**, **Disk**, **RAM**, and **Network** health monitoring using **Apache Kafka**.
- Integrated **automated alerts** via **SMTP** for CPU spikes and load thresholds.
- Utilized **Protobuffers** for microservice communication, achieving a **55.77% decrease** in network payload sizes.
- Developed **Go SDK** to integrate seamlessly with Go applications in just **2 lines of code** and a custom YAML configuration file. It interacts with the server over API calls, utilizing exponential backoff algorithms for enhanced reliability.

Chowkidaar

Source

Tech Stack: Python, Discord.py, Grafana, Prometheus, Loki

Built and deployed a **Discord Bot** for the 25 Days of Productivity event at IIIT-Bhubaneswar. Tracked and maintained daily logs for participants, handling **2,600+** Discord events with **0 errors**.

- Used **Discord.py** to listen for events and push logs to a **Serverless PostgreSQL** database.
- Collected and analyzed metrics, including **Garbage Collection (GC) data**, **message analytics**, and **error logs**, with **Prometheus** and **Loki**.
- Visualized** over **10 metrics** on a **Grafana** dashboard, providing real-time insights and performance analysis.

Skills

Languages:	C, C++, JavaScript, TypeScript, Go
Frontend:	HTML, CSS, React.js, Next.js, Redux
Technologies:	Node.js, Nest.js, Express.js, Feathers.js, Docker, Apache Kafka
Cloud & DevOps:	AWS, Firebase, GitHub Actions
Database:	MongoDB

Honors

Winner

1st place at the Competitive Programming event, Spectra-Birla Global University.

Competitive Programming, BGU

Sep 2023

2nd Place

Developed a real-time app with IDE integrations and video conferencing for developers.

Geeks for Geeks Hackathon, D3 Fest

Oct 2023

300+ Problems Solved

Solved over 300 DSA problems across all coding platforms.

Codeforces, LeetCode, GFG, CN