

SOUBHIK KUMAR GON

Bhubaneswar, India

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

Education

International Institute Of Information Technology, Bhubaneswar
B.Tech Information Technology | GPA: 8 (Post 4th semester)

Bhubaneswar,Odisha
Nov 2022 - Jul 2026

Experience

Creuto Cloud

Remote

Associate Software Engineer

Apr 2024 - Present

- Developed a **Subscription Integration** using Stripe, handling **webhook events** and maintaining internal transactions and subscriptions in MongoDB.
- Integrated Android and iOS Push notifications with **Firebase Cloud Messaging and APNS** (FCM).
- Enhanced authentication by implementing **RBAC, ACL**, and custom strategies for authentication. Enabled **OTPless** authentication with **Magic links and OTPs** via WhatsApp.
- Developed real-time communication system using **WebRTC** protocol, integrated with **Agora, NestJS,Feathers.js v4,BullMQ** for seamless video and audio streaming, ensuring high scalability and low latency.

SDE Intern

Jan 2024 - Apr 2024

- Developed 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 **Protobufs** for microservice communication, achieving a **55.77% decrease** in network payload sizes.
- Developed the **Canario Go SDK** to integrate seamlessly with Go applications using 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**, resulting in a **40% improvement** in data retrieval efficiency.
- 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, PostgreSQL

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

250+ Problems Solved

Solved over 250 DSA coding problems across platforms.

Codeforces, LeetCode, GFG, CN