

# Soubhik Kumar Gon

Bhubaneswar, India

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## 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. Sep 2023

### 2nd Place

Developed a real-time app with IDE integrations and video conferencing for developers. Oct 2023

### 300+ Problems Solved

Solved over 300 DSA problems across all coding platforms.

### Competitive Programming, BGU

Sep 2023

### Geeks for Geeks Hackathon, D3 Fest

Oct 2023

### Codeforces, LeetCode, GFG, CN