

# Soubhik Kumar Gon

Bhubaneswar, India · E-Mail · Github

## Education

International Institute Of Information Technology, Bhubaneswar  
B.Tech Information Technology | GPA: 8

Bhubaneswar, Odisha  
Nov 2022 - Jul 2026

Delhi Public School Kalinga  
GPA: 10 | ranked in the **top 2%** among **1.4 million** students in the examination.

Odisha  
2010 - 2022

## Experience

### Creuto Cloud

SDE Intern

Remote

Jan 2024 - Present

- Developed APIs for Creuto's **Internal messaging systems** using the **NestJS-AWS** stack.
- Contributed to the development of server **APIs** for the **ERP system** using the **FeathersJS** stack, including **DB schema designs**.

### Hacktoberfest

Open Source Developer

Remote

Oct 2022

- Implemented **DockerFile configurations** for **NeoGPT** - A locally running **LLM**, simplifying the setup process, ensuring **consistent environments**, and facilitating integration into various deployment environments.
- Worked on **Tsys Currency Unit Connector integration** in **Juspay-HyperSwitch**: A fast payments switch written in Rust.
- Added APIs to help upload multimedia Files to **AWS S3 Bucket** and retrieve them back using **Cloudfront CDN**, with added **Documentation**.
- Added language support for **Rust, Ruby, R** and **Golang** in **EasyFix**.

### Google Developer Students Club

Associate, Web Development

IIIT-Bhubaneswar

Sep 2022 - Present

- Contributed in creating Website for **GDSC-IIIT Bh.** Actively participated in conducting informative sessions tailored for undergraduate students, offering assistance and fostering a supportive learning environment.

## Skills

**Languages:** C, C++, Javascript, Typescript, Golang, Ruby, Python, Bash  
**Frontend:** HTML, CSS, React.js, Next.js, EmbeddedJS, Redux.js, Zustand  
**Technologies:** Node.js, Nest.js, Express.js, Feathers.js, Flask, Mux, Docker, Apache Kafka, RabbitMQ  
**Data:** ElasticSearch-Logstash-Kibana(ELK), Numpy, Pandas, Matplotlib  
**Cloud & Devops:** AWS, Azure, GCP, Firebase, Github Actions  
**Database:** MongoDB

## Projects

**WatchDog** Apache Kafka, ElasticSearch, Kibana, Bash, Golang

Source

A distributed fault tolerant Server Monitoring Tool written in Golang for maintaining vigilance and oversight over servers providing sysadmins with near real-time insights into server health and performance.

- Engineered a **fault-tolerant microservice** architecture for continuous **CPU health logging**, using **Apache Kafka-Zookeeper** for distributed monitoring.
- Implemented **automated alerts** via **SMTP** mails when predefined avg. CPU load thresholds are exceeded.
- Used **Protocol Buffers** for communication between Microservices, resulting in **55.769 % decrease** in network payload sizes per Publish/Subscribe Calls in comparison to traditional REST Calls.
- Designed a user-friendly **CLI tool** and **bash scripts** using **Golang & open-source frameworks** for easy setup. Also **Tested** responses to **CPU abnormalities** and **stress testing** with **10,000 cURL requests** to **Elastic Cloud** with **0 Failures**.

**Tunescape** Next.js, Node.js, Express.js, MongoDB, AWS,

Source | Link

A **Cloud Based** Music Streaming Web Application that allows anyone to push their favourite songs in **Public cloud** and and serve it to people in low latency.

- Refactored** the **Entire Client Code** from **EJS** to **Next.js** for better **compatibility with server side APIs** and used **Firebase** for Authentication.
- Wrote **server-side logics** to store raw music files efficiently in an **AWS S3 Bucket**, with corresponding references saved in **MongoDB**
- Utilized **AWS Cloudfront** as a **Content Delivery Network (CDN)** to ensure **low-latency delivery** of music files on user requests.

**KoelCLI** C, PortAudio, Javascript, Node.js, Linux, Bash

Source

A **Command Line Interface (CLI)** Tool to play Music using **Terminal** in **Debian OS**.

- Implemented **FFMPEG** and **Bash Scripts** which **decreased network consumption by 40-60%** & **enhance sound quality**, **reduce lossy compressions** by converting **WAV** file from the fetched **MP3** using **YT-dLP** in the **Host's System**.

- Wrote an **Audio Playback Engine**, entirely in **C** that consumes **WAV** files and plays low-latency **Audio** using **PortAudio Library**.

## Honors

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**2nd position Winner : GfG x Geekathon Hackathon**

**Geeks for Geeks , D3 Fest**

**Collaborated** with teammates to create a **web application** for developers to **share and write code in a real time** ,IDE Interface with Video Conferencing feature.

Oct 2023

**1500+ Contributions**

**Github**

Contributed to Open Source Projects like **Juspay,Palisadoes,OvenSH and more** by majorly by creating issues,PRs and consistently working on own projects.

Oct 2023