



# SHUBHAM GHOSH

## SOFTWARE ENGINEER

[My Portfolio](#)[My LinkedIn Profile](#)[My GitHub Profile](#)[shubhamghosh17@gmail.com](mailto:shubhamghosh17@gmail.com)[+91 8637832792](tel:+918637832792)

India, Kolkata

## EDUCATION

- Secondary Education**  
Baranagar Shree Shree Ramakrishna Vidyapith (WBBSE)
- Diploma in Computer Science and Technology (2017-2020)**  
Budge Budge Institute of Technology (WBSCT&VE)
- B. Tech in Computer Science and Engineering (2020-2023)**  
Greater Kolkata College of Engineering and Management (MAKAUT)

## WORK EXPERIENCE

### Full Stack Developer

Sep 2022 - Jan 2023

#### Sapco IOT Pvt. Ltd.

- Built and maintained scalable REST APIs using Node.js.
- Integrated payment gateways.
- Implemented RTMP communication for streaming features.

### Full Stack Developer

Nov 2023 - Present

#### Marko & Brando

- Worked extensively with Next.js (SSR, SSG, ISR) for efficient rendering and building REST APIs.
- Optimized websites performance, improving core web vitals.
- Integrated GeoServer (WFS, WMS), Redis, and GraphQL for data management.
- Deployed and managed servers on AWS EC2 and integrated other AWS services like S3, Cloudfront.
- Utilized MongoDB and MySQL for backend database management.

## PROJECTS

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- Virtuoverse:** Developed a video streaming platform with integrated payment gateway and RTMP server for live streaming. Worked on integrating third-party services to ensure smooth, scalable, and secure video delivery.
- Titagarh CRM:** Led the backend development of a CRM system using **Node.js**, **Express.js**, and **MongoDB**. Focused on creating a secure, scalable, and maintainable architecture for efficient data management.
- iForest:** Designed the frontend UI and integrated **GIS/GeoServer** for the iForest application. Used **Next.js**, **Leaflet**, and **ApexCharts** to provide an interactive, user-friendly geospatial data experience.
- Somani Realtors Portal:** Developed the frontend and managed deployment for the real estate portal using **Next.js**. Integrated **Dynamic SSG** and configured **Nginx** for load balancing and performance optimization.

## SKILLS

- Full Stack Web Development:** I am proficient in a wide array of technologies for full-stack web development, including **HTML**, **CSS**, **JavaScript(typescript)**, **Bootstrap**, **SCSS**, **React.js**, **Next.js**, **Node.js**, **Express.js**, **MySQL**, **MongoDB**, and more. Along with this I have a strong grasp of networking and communication protocols like **https**, **WebSocket**, **WebRTC**, **gRPC**.
- Following Industry Standard Practices with Suitable Methodologies and Architectures:** Adhering to industry best practices, including agile methodologies like **BEM** and architectural principles such as **MVC**, to ensure efficient and scalable development processes.
- Programming Languages Proficiency:**

JavaScript

Python

Java

Dart