

# RAHUL MONDAL

## SOFTWARE DEVELOPER

### CONTACT

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[portfolio-website](#)

### SKILLS

Rust (Actix, Axum, Yew,  
Tauri)

JS (Node, React)  
Python (TensorFlow)

MongoDB, PostgreSQL

Kubernetes, Docker,  
Okteto,

WebRTC, WebSocket,  
JWT ProtoBuf, gRPC,  
Hashing, Encryption,  
Asym-Cryptography

### EDUCATION

Future Institute of Tech.  
**2017-2021**  
Computer Science &  
Engineering

Sonarpur Sikhsa Sadan  
**2015-2027**  
Higher Secondary (XII)

Harinavi D. V. A. S. High  
School  
**2014-2025**  
Secondary (X)

### PROFILE

Aspiring and versatile software artisan with a flair for AI and over 3 year of experience. Eagerly pursuing a riveting software development role where creativity meets innovation, to craft cutting-edge solutions and contribute to transformative projects.

### EXPERIENCE

Software Developer (RUST)

**Digital Aptech Pvt. Ltd.** | Oct.2023 - Mar.2024

- Successfully migrated multiple microservices from **Warp** to **Axum**, optimizing performance and scalability, and implemented thorough test cases for enhanced code reliability and automated testing.
- Single-handedly developed a chat-widget end-to-end using **Yew.rs** with technologies like **WebSocket & WebRTC** to enable Real-time communication, for testing one of the microservice, improving user experience and accessibility.
- Leveraged **Docker** and **Kubernetes** for seamless container orchestration, deploying applications using Helm charts, resulting in improved scalability and reliability.
- Implemented CI/CD pipelines with **Okteto**, streamlining development workflows for efficient code delivery.
- Collaborated closely with the client and a three-person team to build a reliable product, assisting in developing a microservice utilizing **gRPC** to establish WebSocket channels.
- Regularly participated in code reviews with clients and team members to enhance code quality.

Software Developer (Rust)

**Rapid Innovation** | Jan.2022 - sept.2023

Developed and deployed a desktop web application from scratch empowering **RUST**, used to monitor remote employees worldwide.

- Utilized cutting-edge technologies such as **Actix-Web** (back-end), **MongoDB** (server-side), and **vanilla.js** (front-end) to deliver a high-quality product, where the frontend of the website version was created with ReactJs, which is now being utilized by over **200+** remote employees within the company,
- Implementation of the application has increased productivity of the employees by almost **20%**
- which has had a positive impact on the overall performance of the company, which demonstrates the effectiveness and value of the application in improving workflows and enhancing productivity.