

# 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

**2015-2017**

Higher Secondary (XII)

Harinavi D. V. A. S. High  
School

**2014-2015**

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

Full-Stack Web Developer (Rust)

**Freelance** | Mar.2024 - Present

- Engineered an 'Exchange-Engine' (using **Rust & WebSockets**), on a special client request, to facilitate real-time transaction between buyers and sellers.
- Reduced search time for matching buyers and sellers by **~80%** through a simple solution (utilizing **Hashmaps**).

Software Developer (RUST)

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

- Single-handedly developed a chat-widget end-to-end using **Yew.rs** with technologies like **WebSocket & WebRTC** to enable Real-time communication, improving **UX** and accessibility.
- Successfully migrated multiple microservices from **Warp** to **Axum**, optimizing performance and scalability, and implemented thorough over **100** test cases for enhanced code reliability and automated testing.
- 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 and accelerating code delivery by **~30%**.
- 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**.

Software Developer (Rust)

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

- Developed a desktop app with **Rust (Tauri, Actix-Web)** to monitor remote employees, enhancing productivity.
- Utilized **MongoDB**, and vanilla.js, later integrating **React.js** for the web version, now supporting over 200+ remote employees.
- Increased employee productivity by **~20%** through continuous feedback, real-time monitoring, and streamlined performance tracking.