

REDWAN RAKIB

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

A detail-oriented and committed Engineering Professional with a Bachelor of Engineering in Information Technology. Skilled in JavaScript, TypeScript, Python, ReactJS, NextJS, React Native, NodeJS, NestJS, and FastAPI, focused on building clean, scalable, and high-impact digital solutions.

EDUCATION

Bachelor of Science in Information Technology

2017 – 2022

Jahangirnagar University

CGPA: 3.16/4.0

WORK EXPERIENCE

Software Engineer II, Synesis IT PLC, Dhaka, Bangladesh

Nov, 2023 – Present

- **Convay:** Engineered key components of Jitsi Meet based WebRTC infrastructure to **sustain 10,000+ concurrent users** in enterprise-grade meetings, solving selective forwarding and session-state consistency under peak load. Delivered full SaaS stack including multi-tenant billing, RBAC, and an AI meeting assistant with automated minutes generation.
- **National Job Portal:** Contributed to Bangladesh's largest government career platform featuring a dynamic resume builder, **AI-powered exam proctoring**, intelligent job recommendations, and a conversational chatbot. Designed end-to-end recruitment workflows spanning question management, candidate administration, automated shortlisting, seat-plan generation, and result processing. Scaled concurrent exam capacity to **8,000+ candidates** across multiple sessions, doubling BDJobs' previous **4,000 ceiling**, validated across **3 live government exams**, and cutting recruitment time by **2x**.

Software Engineer I, Root Devs, Dhaka, Bangladesh

May, 2023 – Nov, 2023

- **XoomSports:** Developed a professional sports streaming platform with an admin dashboard featuring RBAC, granular streaming permissions, and real-time match updates. Implemented an adaptive bitrate streaming pipeline via AWS IVS and WebSocket-driven synchronization, maintaining **sub-second latency** across **15,000+ concurrent viewers**. Achieved **99% uptime** during live high-concurrency match sessions.

Jr. Software Engineer, Mighty Byte, Dhaka, Bangladesh

Sept, 2021 – Sept, 2022

- **EverCare Bangladesh:** Engineered core modules for EverCare Bangladesh, one of the country's largest private hospitals serving **800 - 1,500+ daily outpatients**, including high-concurrency appointment scheduling, real-time inpatient record sync across wards and AI-driven doctor recommendations, ensuring **zero data inconsistency** under peak load.

ACHIEVEMENTS & RECOGNITION

Recognized across global innovation competitions including **Champion** at ActionAid Digital Innovation Challenge (2024), Ranked **41st globally** and **1st Runner-up** (Dhaka Region) at NASA Space Apps Challenge (2023), **World Finalist** and **South Asian Champion** at Aspire Leaders Program (2021), **Winner** of CTO Forum Innovation Hackathon (2022), **2nd Runner-up** at Banglalink SDG Hackathon 3.0 (2022), **Winner** of BYLC Venture (2020), and **Fellow Partner Award** recipient by the Royal Netherlands Embassy for sustained impact through innovation.

SKILLS

FrontEnd: JavaScript, TypeScript, ReactJS, NextJS, Angular, CSS3, Tailwind CSS

BackEnd: Python, Node.js, Express.js, NestJS, FastAPI, Microservices

DevOps, Cloud, & Databases: Docker, Redis, Jenkins, Github Actions, AWS, Vercel, PostgreSQL, MySQL