Md Shadi Rohan

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Education

Independent University, Bangladesh **Jan 2019 – May 2024**

Bachelor of Science in Computer Science, with Minor in Finanace.

Relevant Courses: Object-Oriented Programming, Data Structures & Algorithms, Database Management, System Analysis and Design, Web Development, Mobile Application Development, Data Communication & Networking, Cryptography and Network Security, Cloud Computing, Probability & Statistics.

Skills

Proficient: JavaScript, Next JS, Tailwind, TypeScript, Redux, Restful API, Websocket, Node JS, Express, SQL, GraphQL, Postgres, Git version control, AWS
Basic experience: C++, Java, dart, Flutter.

Experience

Spade Digital **June 2024 – July 2026**
Software Developer *Dhaka, Bangladesh*

- Built **Barnyard Recs**, a cloud-based (AWS) LMS platform serving around thousand active users, with session booking, Stripe payments, and CometChat integration for real-time chat/video.
- **Architected the back-end** with timezone support, custom dashboards, and role-based access via Clerk, enhancing booking and profile management.
- Integrated Meta Pixel and Google Analytics, boosting engagement by 60%.

Doodle Inc. **Feb 2024 – June 2024**
Intern - Software Development *Dhaka, Bangladesh*

- Proficiently **utilized AWS serverless services including AWS Amplify, AppSync, Lambda, and DynamoDB** to develop scalable and efficient backend solutions **for a large scale job portal platform (Wozaef)**, ensuring optimal performance and data management.
- Played a key role in **implementing core features of the Wozaef platform, including user profile creation, job posting functionalities with advance cascading search and filter options, and contact support**, utilizing technologies like GraphQL, TypeScript and Next.js.

Projects

Sonamukh school management | Next.js, TypeScript, Prisma, PostgreSQL, Supabase, Tailwind CSS| Website **2026**

- Built an end-to-end school platform with a bilingual public site and **role-based dashboards** (Operator, Teacher, Student, Parent) secured by **JWT sessions** and middleware.
- Designed a **PostgreSQL schema with Prisma** for class→shift→section hierarchy, **online admissions**, enrollment, user records/histories and **attendance/progress** records.
- **Live in 10 classes**: teachers, parents, students, and operators run **admissions, attendance, reports, and class management** daily, replacing paper records and cutting routine admin time.
- Enabled operators to manage **notices, gallery media, and school magazines** with **Supabase Storage** uploads and homepage publishing controls.

RP Billing ERP | React, Redux, Tailwind | Website **2023**

- Developed **the front-end** of an **ERP system** for a **photography company** called Reminiscence **to optimize the event management and team collaboration of around hundred of members**.
- Engineered **Excel like table functionalities managing complex state which enable users to manipulate data grids and generate dynamic bills.**
- Integrated **custom logic modules to align system functionalities with the company's business processes**, ensuring a cohesive representation of the business flow which **boosted the employee work efficiency by 30%.**

Research

Sensitive Data Security in Cloud (AWS) | Github **Nov 2024**

- Implemented **a secure hybrid cloud infrastructure using AWS** technologies to navigate geopolitical challenges.
- Utilized **AWS VPC architecture and VPN** for robust data security.
- Executed a two-phase approach, starting with a local prototype and migrating to AWS, addressing scalability and real-time data access challenges.