

# Sabkat Ahmed Rafi

## Full-Stack Developer

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

*Full-Stack Developer focused on building reliable, performant interfaces and thoughtful backend systems. I prioritize clarity, maintainability, and delivering real user impact over stacking tools.*

## PROJECTS

### Cryptonism

[Live](#) | [Npm](#) | [GitHub](#)

End-to-end encryption library for browser to secure authentication and sensitive data with **zero-knowledge architecture**.

- Argon2id Key Derivation: Memory-hard password hashing resistant to attacks.
- AES-GCM Encryption: Authenticated encryption for maximum security.
- Recovery System: Secure mnemonic-based key recovery.
- Password Rotation: Safe password updates without data loss.
- Attempt Tracking: Built-in protection against brute force attacks
- Built **Vaultera** using my library **Cryptonism** — [Live](#) | [GitHub](#)

### FrontendArk

[Live](#)

A web platform for practicing **real-world frontend interview** challenges using JavaScript and React.

- Interactive coding environment with in-browser test runner — no setup required.
- Challenges focused on JavaScript utilities and React UI problems frequently asked in interviews.
- Live feedback via built-in tests to help sharpen fundamentals and common patterns.
- Clean, distraction-free blue-themed interface designed for smooth problem-solving experience.

### QuantumDocs

[Live](#) | [GitHub](#)

QuantumDoc is a **real-time collaborative document editor**, similar to Google Docs.

- Real-time collaboration and CRDT powered by Y.js and WebSockets.
- Real-Time Communication with messaging and video calls using Socket.IO and Agora RTC.
- Role-based access control for managing user permissions (admin, editor, viewer).
- User notes for leaving notes or comments within documents.
- Real-time Presence Indicators to show who is currently online or viewing/editing the document.
- Download documents as PDF and DOCX formats

## SKILLS

- Next.js, React, Redux.js, Typescript, JavaScript, Express.js, Node.js, Mongoose, MongoDB, Prisma, PostgreSQL, C++, Tailwind, Bootstrap, CSS, HTML

## EDUCATION

### Government Bangla College

Bachelor of Business Administration (BBA) Major in Marketing