

Riajul Islam

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WORK EXPERIENCE

Full-Stack Web Developer

jan 2025 - present

NGen IT | Mohammadpur, Dhaka, Bangladesh

- Project Development
- Authentication: OAuth 2.0, OTP-based login, and custom role-based access control
- Feature-Rich API Development: such as pagination, filtering, searching, and sorting
- File Handling: images and videos with buffer streaming, to minimal server load and user delay
- Error Handling | Validation | Send Email | Payment | Deployment using Docker, Kubernetes

Full-Stack Web Developer

mar 2024 - des 2025

Bit Encrypt It | Banasree, Dhaka, Bangladesh

- Creating an **Multi-Vendor Ecommerce** Website with multi sub-domain (main + vendor + admin)
- OTP based / Google OAuth 2.0 / Custom Login
- Send Email + Email Verification for Login
- Heavy file upload: Image + Video with Buffer Streaming
- Cash-On-Delivery + Online Payment Gateway integration
- Proper Error handling both in frontend and backend side. With dynamic form validation.
- API Features: Pagination + Filtering + Searching + Sorting ...
- Deploy to VPS server by Docker + Kubernetes
- Live: <https://readyhow.com/> <https://vendor.readyhow.com/>

IT Assistant Manager

Jun 2018 - may 2019

Ayman Group | Gazipur, Bangladesh

- Designing and Managing Network for 200 people in the factory.
- PC Building and Troubleshooting
- Server Management for File and Printer Sharing
- Related application installation and configuration

LIVE PROJECTS

Messenger-Clone ([Demo on Youtube](#))

[View in GitHub](#)

- Instant messaging via **Socket.io**
- Audio messaging + Emoji messaging
- Audio/Video Call via **WebRTC** + Show incoming call and outgoing call dialog

- Large File-Sharing (up to 2GB) via *WebRTC DataChannel*
- Authenticated by AccessToken + RefreshToken and store in cookie (server-side access only)
- Streaming files (audio/images) from server (so that server not crush on large file)
- Image cropping before upload + handle files in **Server-Worker** to free main thread
- ... more in the project readme.md file

Twitter Clone ([Demo on Youtube](#))

[View in GitHub](#)

- Mimicking Twitter (Social Media platform.)
- Here we handle 3 types of rendering by Pug (like Next.js), ServerSide-Rendering, ClientSide-Rendering, and Hydration (Render half in ServerSide and Other half in clientSide).
- Responsive Design By Tailwind, *Real-Time* Chatting via WebSocket.
- Handling both ServerSide validation and ClientSide validation with Global Error Handling System provided by Express.js.
- Store Data into MongoDB database with mongoose Driver
- Following MVC architecture pattern for reusable and clean code.

Next Amazona | Shop-Next-TS-GraphQL

[View in GitHub](#)

- Both are Complete Ecommerce Application with Stripe Payment Gateway integration.
- Dynamic Form + Validation
- State management by Redux Toolkit
- Authorization by JSON WebToken
- Upload Image with preview, drag and drop multiple image upload
- Designing UI with Material UI + Dark Mode
- Pagination + Filter + Search + Rating...
- Infinite Scrolling instead of Pagination
- send Mail (development: mailtrap, in Production: sendGrid)

EDUCATION.

Diploma in Electrical Engineering
Dhaka Polytechnic Institute (DPI), Dhaka, Bangladesh

June 2013 - July 2018

SKILLS.

React | Redux | Next.js | JavaScript | TypeScript | Node.js | Express.js | MongoDB | Tailwind-CSS
| Material-UI | Socket.io | WebRTC | Git | Docker | Kubernetes | VPS Server deployment |
CCNA Routing And Switching | Linux (ubuntu, centos)