

FARIAN BIN RAHMAN

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

SUMMARY

Full-stack engineer experienced in building and deploying scalable web applications. Adept at developing real-time, interactive user experiences and integrating AI-based functionalities. Former industrial engineer with a strong background in process optimization and data-driven problem solving, now focused on designing high-performance applications from concept to production.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python

Frontend: React, Next.js, TanStack Query, Zustand, Tailwind CSS, Zod, Konva.js

Backend: Node.js, Express.js, GraphQL, Prisma ORM, JWT, Passport.js

Database: PostgreSQL, MongoDB

Infrastructure & DevOps: Docker, GitHub Actions, Vercel, Render, AWS (EC2, S3, RDS)

Realtime & APIs: Socket.io, Pusher, Stream SDK

Other Tools: SendGrid, Nodemailer, node-cron

PROJECTS

Go Grind - Real Time Productivity Platform | [Live](#) • [GitHub](#)

Developed a full-stack productivity app with live study sessions and activity tracking. Integrated Stream Video SDK for video rooms and chat. Implemented secure JWT-based authentication and role-based access. Optimized socket events to reduce join latency by **25%**.

Stack: React, Express, MongoDB, Stream SDK, Zustand

Think Space - Collaborative Whiteboard | [Live](#) • [GitHub](#)

Built a real-time collaborative whiteboard enabling users to create and sync sticky notes and shapes instantly. Designed WebSocket architecture using **Socket.io** and PostgreSQL persistence through **Prisma**. Improved update responsiveness by **20%** with optimistic UI design.

Stack: React, Konva.js, Socket.io, Express, PostgreSQL

Subscription Manager - Recurring Payment Tracker | [Live](#) • [GitHub](#)

Created a full-stack subscription management app with automated email alerts and analytics dashboard. Deployed **GraphQL API** with **Apollo Server**. Implemented authentication via Passport.js, and scheduled reminders using SendGrid and node-cron.

Stack: React, Node.js, GraphQL, MongoDB

Kotha Barta - Real Time Chat Application | [Live](#) • [GitHub](#)

Built a scalable chat platform supporting private and group conversations with typing indicators and online presence. Integrated **NextAuth** for multi-provider login (Google, GitHub, Email/Password) and **Pusher** for WebSocket synchronization.

Stack: Next.js, TypeScript, Prisma, Pusher, MongoDB

Repo Hunter - GitHub Repository Explorer | [Live](#) • [GitHub](#)

Developed a sleek GitHub repository explorer using the **GitHub GraphQL API**. Implemented repository analytics, including stars, commits, and top stargazers, for instant data exploration.

Stack: React, TypeScript, GraphQL, Apollo Client

PROFESSIONAL EXPERIENCE

Value Chain Executive - Unifill Group | Nov 2022 - May 2025

- Partnered with ERP and IT teams to enhance system integration and automate procurement tracking workflows.
 - Applied Python and VBA scripts to automate inventory forecasting, reducing reporting time by **30%**.
 - Led cross-departmental coordination to digitize cost and performance analysis dashboards for management visibility.
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EDUCATION

B.Sc. in Textile Engineering (Industrial & Production)

Bangladesh University of Textiles | Jan 2017 - Sep 2022 | CGPA: 2.99 / 4.00

Thesis: Bottleneck Analysis with Constraint Linear Optimization using IBM CPLEX Simulation

CERTIFICATIONS & ACHIEVEMENTS

- Python for Data Science, AI & Development – [IBM](#)
 - Data Analytics Professional Certificate - [Google](#)
 - IELTS 7.5 (CEFR C1 Equivalent)
 - Runner-Up - Intra University Business Case Competition (2017)
 - Runner-Up - Lakshmipur Regional Math Olympiad (2014)
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ADDITIONAL INFORMATION

- Languages: English (Fluent), Bengali (Native)
- Interested in AI-powered web applications, automation, and scalable system design.