

MOHAMMAD LUTFAR RAHMAN RIFAT

Software Engineer

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EXPERIENCE

Chaldal Engineering

Software Engineer

June 2024 – Present

Dhaka, Bangladesh

- Delivered full-stack features using **C#, F#, .NET Core, React Native**, and Azure DevOps CI/CD.
- Built secure multi-account bKash wallet binding system to support 1000+ daily one-tap payment transactions.
- Developed core services of **ChaldalPay**, including QR payments, e-KYC verification, dispute flows, admin features like dispute tools, bulk QR generation, wallet control, etc.
- Integrated **Amazon Rekognition** and **DeepFace** for face verification, and **Election Commission API** for national ID verification.
- Contributed to passing the **Bangladesh Bank audit** for the MFS app; resolved VAPT issues (domain whitelisting, blocking man-in-middle attack) for PCI-DSS compliance.
- Building a new **Payment Gateway** under ChaldalPay with gRPC services and protobuf contracts for merchant payments.

Competitive Programming Contests

Problem Setter, Judge

- Been judge and problem setter for international and national contests including Codechef, IUT IUPC 2024, IUC IUPC 2023, NGPC 2021, ALNGPC 2021, Tough Duo April 2022, Criterion 2022 Round 17.

PROJECTS

GhuriAI | NestJS, React Native, Expo, Gemini, OpenAI, Google APIs, Prisma, PostgreSQL

- Building an AI-powered travel planner that generates day-by-day itineraries with real places, photos, and travel times using **Gemini/GPT-4o** with Google Maps APIs.
- Features **JWT + OAuth** auth, subscription tiers, and smart place caching for cost optimization.

ManiTrack | Kotlin, Agent-driven Coding, Jetpack Compose, Material 3

- Android app with MVVM architecture, category-wise budget-expense tracking, JSON export/import, and home screen widget.

TECHNICAL SKILLS

Languages: F#, C#, TypeScript, C++

Frameworks: ASP.NET Core, NestJS, React Native

Tools: Git, Claude Code, GPT-GEMINI API, MSSQL, PostgreSQL, Prisma, Redis, Docker, Azure, gRPC

ACHIEVEMENTS

- Two times participated in **ICPC Asia West Continent Final 2022 and 2023**
- **9th** in ICPC Dhaka Regional 2023
- Codeforces Max Rating: 1661 (Expert)

EDUCATION

Rajshahi University of Engineering and Technology

B.Sc. in Electrical and Computer Engineering

December 2024

Rajshahi, Bangladesh

VOLUNTEERING

Class Representative

Department of Electrical and Computer Engineering, 18 Series

February 2019 – December 2024

RUET

General Secretary

Astronomy and Science Society of RUET (ASSR)

June 2023 – May 2024

RUET

- Organized several national and regional events, including Science Olympiads, project showcases, and Rubik's Cube competitions.