

MD MAHFUZUR RAHMAN

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Skills

- **Mobile & Cross-Platform:** Android (Java/Kotlin) | Flutter (Dart)
- **Backend & Microservices:** Spring Boot | Laravel | FastAPI | Node.js | Flask | CodeIgniter
- **Databases & Cloud:** MySQL | PostgreSQL | Firebase | REST APIs | Docker | CI/CD
- **AI & LLMs:** RAG Architecture | LangChain | Gemini | OpenAI | Ollama | Vector DBs
- **Web Frontend:** HTML | CSS | JavaScript | Tailwind | Bootstrap
- **Tools & Methodologies:** Git | GitHub Actions | Agile | Notion | Trello | Slack

Career Summary

Since 2015, I've explored various areas of development—beginning with mobile apps and evolving through backend and now AI. My foundation lies in mobile and full-stack development, but my current expertise revolves around scalable backend services, microservices, and AI agent development with cutting-edge technologies like RAG architecture, Gemini, OpenAI and Ollama.

Experience

Software Engineer

Dana Fintech

05/2022 - Current

- Built distributed backend services and microservices using Spring Boot, FastAPI, and Python.
- Built AI assistant systems using RAG architecture, LangChain, Gemini, OpenAI and Ollama for multilingual customer support and automation.
- Developed backend infrastructure utilizing Laravel and CodeIgniter frameworks to support Admin Console and Mobile Applications.
- Created a credit score engine as an Android module (Kotlin, Coroutines, Retrofit).
- Worked on developing microservices for eKYC Solution using FastAPI, SQLAlchemy and Python.
- Used Agile development methodologies to ensure that the system was delivered incrementally and iteratively.
- Maintained code quality by employing best practices in software development and conducting code reviews.

Software Engineer

Wizard Software & Technology Bangladesh Ltd.

05/2020 - 05/2022

- Developed various software applications frontend and backend using latest technologies of Laravel, Laravel Jobs, Redis, Blade Templating Engine, Websockets and other latest technologies.
- Utilized CI/CD and Github actions to automate the software development process, from code testing to deployment.
- Managed and maintained the company's virtual private server (VPS), ensuring smooth operation and minimal downtime through proactive monitoring, troubleshooting, and optimization of server resources.
- Developed multiple mobile applications using Flutter framework with various state management approaches including GetX, Provider, and Bloc for efficient application development and maintenance.

Personal Details

- Full Name: Md. Mahfuzur Rahman
- Birth Date: 09 Sep 1996
- Place of Birth: Chuadanga
- Current Address: Ja-57, Gudaraghata, Middle Badda, Dhaka-1212
- Permanent Address: Gobindapur, Alamdanga, Alamdanga-7210, Chuadanga

Academic Background

- M.Sc in Computer Science & Engineering

Khulna University of Engineering & Technology, Khulna

2021 - Present

- **B.Sc in Computer Science & Engineering** 2015 - 2019
First Capital University of Bangladesh, Chuadanga
- **Higher Secondary Certificate (H.S.C) in Science** Jashore Board- 2014
Alamdanga Government College, Alamdanga, Chuadanga
- **Secondary School Certificate (S.S.C) in Science** Jashore Board- 2012
Alamdanga Pilot High School, Alamdanga, Chuadanga

Some of My Personal Projects

 **Deen Assistant – AI-Powered Islamic Scholar** – <https://deenassistant.com/>

Tech Stack: Python | LangChain | OpenAI | Ollama | Gemini | Quran APIs | Laravel | Node.js

- Developed a multilingual AI assistant offering authentic Islamic guidance rooted in Quran, Hadith, and scholarly consensus.
- Built tools such as Zakat Calculator, Hijri Calendar Converter, Prayer Time Tracker, and Quran Recitation features.
- Cited scholarly references with support for Bengali, English, and Arabic, enhancing credibility and accessibility.

 **eGolpo – AI Comic Tales Platform** – <https://egolpo.com/>

Tech Stack: Next.js | Tailwind | Node.js | Mongo | Gemini | Ollama

- Built an AI-powered platform to generate comics from text prompts, supporting Bangla and English storytelling.
- Featured stories rooted in Bengali culture, designed for educators, parents, and kids to learn and create.
- Developed a secure, user-friendly creative space with illustrations, community sharing, and content moderation.

 **Terces – Android Monitoring System**

Tech Stack: Java | Kotlin

- Developed in Java with Firebase for parental and employee monitoring.
- Features: Remote location tracking, screen & audio recording, call monitoring, social media activity, and shell command execution.

 **Matharon – Educational Puzzle Platformer Game** [Link to Youtube Gameplay]

Tech Stack: C# | Unity 2D

- Jump-and-run style math game built in Unity 2D (C#) with Firebase backend.
- Features real-time quiz engine, physics-based interaction, and multi platform deployment (Android, iOS).

Other Notable Projects

- **Kube**: Backend and admin panel developed using Laravel which leverages open banking data and your information to improve your affordability and facilitate access to financial products for small and medium-sized businesses and individuals for the UK market. [Visit Website]
- **Bank e-Account Creation**: Plugin developed for Android and iOS using Flutter, enabling customers to remotely open accounts with Bank via mobile devices, enhancing utility and satisfaction with its feature.
- **eKYC Solution**: Developed an eKYC solution using FastAPI featuring face match, liveness detection, NID OCR, and more, ensuring a seamless and secure identity verification process.
- **Kompass**: Mobile application developed with Flutter, offering an appointment and visitor management solution integrated with payroll & HR for enhanced daily efficiency. [Google Play Store Link, App Store Link]
- **The Smart Stream**: Mobile Application developed with Flutter to provide users with convenient access to cricket world cups, allowing them to watch live score, fixture information, daily quiz, and more. [Google Play Store Link, App Store Link]
- **Btutors**: Developed Backend(Laravel) and Mobile App(Flutter) where a tutor can create their profile and whenever required parents can easily find the best tutors for their child using this platform. [Google Play Store Link]
- **Kachabazar**: Developed Mobile App(Java, Android) where users can shop by category, check status of their orders with order tracking facility. [Google Play Store Link]

Achievements

- Advanced Professional Coaching with Industry Attachment Including Apps & Game Development of 5 Months duration under Skill Development for Mobile Game and Application Project (SDMGAP) from November 2019 to April 2020.
- Training for Mobile Application Developer (Android) under Skill Development for Mobile Game and Application Project (SDMGAP) from May 2018 to November 2018.

Other Qualities

- Habituated with GIT and Project management/Communication tools like Notion, Trello and Slack.