Sakib Ahmed Shanto

Gazipur, Dhaka, Bangladesh | +880 1721 665453 | sakibahmed21@iut-dhaka.edu

Portfolio | LinkedIn | GitHub | Play Store

SUMMARY

Software Engineer with 2+ years of experience building full-stack applications with **Flutter**, **Next.js**, **REST APIs**, and **PostgreSQL**. Proficient in **AI/LLM integration** (RAG, LangChain), **AWS cloud architecture** (EC2, Lambda, DynamoDB, SNS/SQS, API Gateway), **Docker**, and **Linux**. Shipped production apps with **4000+ downloads** on Play Store and App Store; Silver Medalist at the International Blockchain Olympiad 2025. Strong **DSA** foundations; comfortable using AI tools (Claude, Copilot) to accelerate delivery.

EXPERIENCE

Mobile Application Developer

2026 – Present

iBusinessFormula

- Developing and maintaining cross-platform mobile applications with **Flutter**/**Dart**, delivering responsive, production-ready features for both **Android** and **iOS**.
- Integrating **REST APIs** and backend services, applying **clean architecture** and **SOLID** principles for maintainable, scalable code.
- Collaborating within the product team using **Git**, code reviews, and Agile workflows to ship reliable releases.
- **Stack:** Flutter, Dart, REST APIs, Git, Android SDK, iOS SDK.

Flutter Developer

Aug 2025

TanAinent Global LTD · Remote | Rahiee.AI | iOS | GitHub

- Built **Rahiee.AI**, an AI-powered HR app shipped on both **App Store (iOS)** and **Google Play (Android)** — employee management, attendance tracking, and performance analytics.
- Integrated **Firebase** (Auth, Firestore, **FCM**) for real-time sync and push notifications; handled **Google Play Console** and **App Store Connect** release pipelines end to end.
- Worked with an international team using **Git**, Agile/Scrum, code reviews, and **CI/CD**; wrote integration tests and kept technical docs up to date.
- **Stack:** Flutter/Dart, Firebase, REST APIs, FCM, GetX, Git, Agile, iOS SDK, Android SDK.

Full-Stack Developer

Nov 2025 – Feb 2026

Loosely Coupled Technology · Contract

- Built a **fantasy game engine** powering **BD Vote** — users draft a fantasy team of MPs from across Bangladesh and earn scores based on the actual election winners.
- Designed the data model and real-time scoring logic, and developed the full-stack web app end to end with **Next.js** and **Supabase**.
- **Stack:** Next.js, Supabase, PostgreSQL, REST APIs, TypeScript.

EDUCATION

Islamic University of Technology

Aug 2022 – Sept 2026

BSc in Computer Science | GPA: 3.41 / 4.0

- **Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Software Engineering, Object-Oriented Programming, System Analysis & Design, Computer Architecture.

TECHNICAL SKILLS

Languages	Python, JavaScript (ES6+), TypeScript, Dart, Java, C/C++, SQL
Frontend	React.js, Next.js, Flutter, Responsive UI, Figma, Excalidraw
Backend & APIs	FastAPI, REST APIs, Node.js, Spring Boot
Databases	PostgreSQL, SQLite, DynamoDB, Firebase Firestore, Hive, Supabase
AI / LLM	LangChain, RAG, OpenAI API, Claude API, Prompt Engineering

Cloud & DevOps	AWS (EC2, Lambda, API Gateway, DynamoDB, SNS, SQS, S3, IAM, EventBridge), GCP, Docker, Linux/Unix, CI/CD, Git
Architecture	RESTful API Design, Clean Architecture, MVVM, SOLID, Serverless, Scalable System Design
Testing & Tools	Integration Testing, Postman, Android Studio, Xcode, VS Code

PROJECTS

PrepaidPro — DESCO Prepaid Meter Manager *(2000+ users in 2 days)* Play Store

- Real-time DESCO prepaid balance tracking with low-balance alerts, recharge history, and AI-driven recharge predictions; reached **2000+ users within 2 days** of launch.
- Built with **BLoC** state management, **get_it** dependency injection, and **SOLID** principles; custom **push** / **in-app messaging** backed by a **cron job** polling balances and firing timely notifications.
- **Stack:** Flutter, Dart, BLoC, get_it, REST APIs, Push Notifications, Cron, SOLID.

Rahiee.AI — AI-Powered HR Management App Website | App Store | GitHub

- Cross-platform HR app live on **iOS App Store** and **Google Play**; covers employee management, attendance tracking, performance analytics, and AI-driven insights.
- Integrated **Firebase** (Auth, Firestore, **FCM**) for real-time sync and push notifications; handled full release pipeline on **App Store Connect** and **Play Console**.
- **Stack:** Flutter, Dart, Firebase, FCM, REST APIs, Android SDK, iOS SDK, GetX, Git.

RoboLink — Wireless Robot Controller + Arduino Library Docs | Play Store | YouTube

- Wireless robot control platform with real-time **MJPEG** camera streaming, **Wi-Fi (UDP)** and **Bluetooth Classic** support, a drag-and-drop widget editor, and layout presets for quick setup.
- Published an open-source **Arduino Library** to the official **Arduino Library Manager** for plug-and-play ESP32/ESP8266 integration; built the documentation site with **Next.js**.
- **Stack:** Flutter, Dart, Android SDK, Firebase, Arduino (ESP32/ESP8266), UDP, Bluetooth, Next.js.

Dhaka City Navigator — Offline Bus Route App GitHub | Play Store

- Offline-first app covering bus routes, stops, and transfer points across Dhaka; a custom **transfer-point detection algorithm** finds the best multi-bus routes automatically.
- **4000+ downloads**, **50+ regular active users**, and a **4.2-star rating** — works entirely without internet.
- **Stack:** Flutter, Dart, Hive (local DB), offline-first architecture, Google Play Console.

Smart Greenhouse — AWS Serverless IoT Monitoring System GitHub

- Fully **serverless AWS pipeline**: **EC2** IoT simulator → **SNS** → **SQS** → **Lambda** (Python) → **DynamoDB** → **API Gateway** → **S3** static dashboard.
- Auto-actuator control via **EventBridge** rules (every 5 min), real-time sensor alerts over **SNS email**, and REST endpoints powering a live **JavaScript** dashboard; end-to-end API latency under **100 ms (p99)**.
- **Stack:** Python, AWS (EC2, Lambda, API Gateway, DynamoDB, SNS, SQS, S3, IAM, EventBridge), JavaScript, Linux, Docker.

Shondhan — AI + AR Property Discovery Platform GitHub | Figma

- Led a 4-member team on a **RAG**-powered property search system — users describe what they want in natural language, matched against listings via **LangChain**, **Flask**, and scikit-learn.
- **Google Maps API** for location discovery, **ARCore** for real-time AR property visualization, price-prediction analytics, and neighborhood safety scoring; **100% pass rate** across 20 functional and security test cases.
- **Stack:** Python, Flask, LangChain, RAG, PostgreSQL, scikit-learn, Google Maps API, ARCore, Docker, Figma.

Pastry Paradise — Full-Stack E-commerce App *(2 years live in production)* GitHub

- Full-stack **mobile and web** e-commerce app for a live bakery — product browsing, cart, and real-time order tracking for custom cakes and pastries; served real paying customers for 2+ years.
- Google Sign-In and email/password auth, **Firebase Firestore** for live order sync, automated **email notifications**, backend on **GCP**.
- **Stack:** Flutter, Dart, Firebase (Auth, Firestore, FCM), REST APIs, GCP, Google Play Console.

ACHIEVEMENTS

- **Silver Medalist** — International Blockchain Olympiad 2025, Hong Kong.

- **Champion** — Hackathon Coderush 2.0 | **2nd Runner-up** — Automech 2025 (National Hackathon).
- **2nd Runner-up** — Global Robotics and Innovation Consortium.
- **1st Position** — Multiple Robotics Competitions (Soccer Bot, Hardware Project Showcasing).
- **Team Member** — Project Altair, International Mars Rover Competition (Software Subteam).