

# MD Ahsan Habib Rasel

✉ rasel341313@gmail.com | ☎ +880 1879-911875 | 🏠 rasel3413 | in /in/rasel3413 | 📁 Portfolio | 📍 Savar, Dhaka, Bangladesh

## Summary

Software Engineer with **2+ years** of experience building production-grade **mobile applications** (Flutter, Android) and **back-end REST API systems** (Laravel, MySQL). Delivered cross-platform POS, CRM, and ERP solutions used by **500+ restaurants** across the UK, USA, and Middle East. Competitive programmer with **2000+ problems solved** and ICPC participation. Brings clean architecture principles, strong CS fundamentals, and a collaborative work ethic to every project.

## Experience

**Software Engineer** — Mobile & Backend Fronture Technologies Ltd., Dhaka July 2024 – Present

**Stack:** Flutter · Dart · Android (Java/Kotlin) · Laravel · PHP · MySQL · REST API · Firebase · Git · Jira

- Engineered the **Laravel REST API backend** for **Restrogreen ERP** — a restaurant management platform serving **500+ restaurants** across the UK, USA, and Middle East; built core modules: Inventory (stock tracking, procurement), Accounting (journal entries, ledger management, profit/loss dashboards), and CRM/Sales with SMS masking campaigns.
- Developed **Flutter cross-platform apps**: POS App (order placement, real-time kitchen sync), KDS App (kitchen order management & status updates), and Backoffice App (live sales analytics, profit dashboards). **Backoffice:** [Android](#) [iOS](#) **KDS:** [Android](#)
- Led **OneOffice CRM App** development (Flutter + Laravel backend): lead/client/task management with real-time sync to the business portal. **Android:** [Play Store](#) **iOS:** [App Store](#)
- Contributed to DB schema design, MySQL query optimization, REST API design, and managed end-to-end **Play Store & App Store** release cycles for multiple production apps.

## Technical Skills

- Mobile:** Flutter (Dart), Android SDK (Java/Kotlin)
- State Mgmt:** Bloc, Provider, GetX, Riverpod
- Backend:** Laravel, PHP, REST API, MySQL, JSON
- Firebase:** Auth, Firestore, FCM, Crashlytics
- Architecture:** Clean Arch, MVVM, MVC, SOLID
- Local Storage:** Hive, SQLite, SharedPreferences
- Tools:** Git, Postman, Jira, Android Studio, Xcode
- Deployment:** Play Store, App Store

## Languages

- English** — Professional working proficiency (all professional work, documentation, and client communication in English)
- Bengali** — Native
- Japanese** — Currently studying (JLPT N5 curriculum, daily lessons); committed to reaching business-level Japanese and eager to learn more on the job in Japan

## Competitive Programming & Problem Solving

Solved **2000+ algorithmic problems** across major online judges. Active profiles: [Codeforces](#) · [UVA](#) · [CSES](#) · [LeetCode](#) · [CodeChef](#) · [AtCoder](#) · [Vjudge](#)

- Codeforces Specialist** — Max Rating **1417**. Strong command of Graph Algorithms, Dynamic Programming, Binary Search, Segment Trees, Number Theory, Greedy, and String Processing.
- ICPC Asia Dhaka Regional 2022** — Represented university in international collegiate programming contest; solved complex multi-topic algorithmic problems under strict time pressure. [Certificate](#)

## Achievements

- IEEE Author:** Published “*Modeling the Sharing and Diffusion of Fake News*” at IEEE SPICSCON 2024. [\[IEEE\]](#)
- Full Passer of ITEE FE Exam

## Projects

**GitHub Repository Explorer** — Flutter, REST API, Hive, Clean Architecture [GitHub](#)

- Flutter mobile app to search and browse GitHub repositories with offline caching, clean architecture, and full API integration.

**JU Blood Bank** — Android (Java), Firebase, Google Maps [GitHub](#)

- Android app connecting university blood donors and recipients; real-time Firebase sync with Google Maps donor discovery.

**E-Commerce System** — Django, Python, GitHub Actions [GitHub](#)

- Contributed backend modules and implemented CI/CD pipelines with automated testing via GitHub Actions.

Education

|                                                                                          |       |             |
|------------------------------------------------------------------------------------------|-------|-------------|
| M.Sc. in Computer Science & Engineering — Jahangirnagar University, Dhaka<br>3.50 / 4.00 | CGPA: | 2024 – 2025 |
| B.Sc. in Computer Science & Engineering — Jahangirnagar University, Dhaka<br>3.62 / 4.00 | CGPA: | 2019 – 2024 |