

Moshiur Rahman Nafi | Software Engineer

📍 Dhaka, Bangladesh

☎ +880 1829203129

✉ moshiur.r.nafi@gmail.com

🔗 defUserName-404

🌐 Moshiur Rahman Nafi

📁 Experience

Junior Software Engineer

NextPage Technology Limited

July 2025 – Present

Dhaka, Bangladesh

- Maintaining 2 production Flutter apps (2K+ MAU); improved crash-free rate from **92.4% to 98.1%** in 3 months as tracked via **Firebase Crashlytics**.
- Leading full-scale rewrite of legacy Flutter app to **Clean Architecture** with Riverpod for state management, decoupled frontend logic to support a major backend migration while maintaining feature parity.
- Built a FastAPI based API gateway service for multi tenant routing, directing requests to tenant specific domains and database schemas with centralized auth and rate limiting.
- Optimized app performance using **Flutter Profiler**, reducing cold-start latency by **28%** and bundle size by **18%** by consolidating redundant libraries, offloading tasks to **Isolates**, and using **RepaintBoundaries**.
- Automated **CI/CD** pipelines using **Fastlane** and **GitHub Actions** for builds, signing, and Play Store deployment, maintaining a consistent **4.8★** user rating.

Mobile App Developer Intern

NextPage Technology Limited

March – June 2025

Dhaka, Bangladesh

- Contributed to feature development and bug-fixes across 2 mobile apps.
- Executed a design migration and UI audit, received documented positive user feedback regarding improved navigation and visual clarity.

📁 Skills

- **Languages:** Dart, Go, Java, JavaScript, Python
- **Mobile:** Mobile Development: Flutter (iOS/Android/Desktop), State Management(Riverpod, BLoC), FFI, Push Notifications (FCM), App Signing
- **Backend:** Spring Boot, FastAPI, Supabase, REST, WebSockets, RBAC
- **Databases:** PostgreSQL, PostGIS, SQLite, MongoDB, Redis
- **DevOps:** Docker, GitHub Actions, AWS (EC2, S3, IAM, Lambda)
- **Core:** Data Structures, Algorithms (480+ on LeetCode), System Design

🎓 Education

Daffodil International University

Bachelors of Science in Software Engineering

</> Projects

Stockify | Flutter (Desktop), Go, SQLite, PostgreSQL, WebSockets, Docker, CI/CD

- Engineered an offline first desktop inventory system supporting concurrent multi user operations with full RESTful CRUD and WebSocket based live updates.
- Integrated Flutter with a bundled Go backend via FFI, reducing local transaction latency and enabling seamless SQLite–PostgreSQL synchronization.
- Implemented RBAC, token-based authentication, automated backups, and reproducible Docker builds aligned with production workflows.

Zero Hunger | Flutter, Supabase, PostgreSQL, PostGIS, Google Maps SDK, FCM

- Built a real-time Flutter platform connecting donors and volunteers, handling live state updates and role-based access via Supabase.
- Implemented geo-spatial queries (PostGIS) and distance-based filtering, reducing average pickup match time by 39% during testing.
- Integrated FCM push notifications and optimized map rendering to maintain smooth interaction under frequent location updates.

Focus | Flutter, Dart, Riverpod, Drift, SQLite

- Developed a fully offline Pomodoro and task manager across Android, iOS, Linux, macOS, and Windows from a single Flutter codebase.
- Built a deterministic timer engine with background execution, lock-screen controls, and OS-level media session integration.
- Designed unlimited-depth task trees with optimized local queries and a precomputed statistics table powering a 365-day heatmap.

Bookworm | Java, Spring Boot, Spring Security, PostgreSQL, Docker

- Developed a REST-based ebook platform with JWT authentication and role-based access control.
- Implemented full CRUD flows with optimized PostgreSQL queries and containerized deployment using Docker.