

N N Dipu Islam

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Flutter Developer with 2+ years of experience building production-grade mobile applications involving real-time systems, payment integration, location-based services, and AI-driven features. Strong in Flutter, BLoC, Clean Architecture, SOLID, REST APIs, WebSockets, Firebase, and performance optimization.

Work Experience

ClassZ Limited <i>Software Engineer (Flutter)</i>	Hong Kong (Remote) June 2024 – July 2026
- Built scalable Flutter applications using BLoC, GetIt, Clean Architecture, and SOLID principles. - Implemented REST/WebSocket synchronization, Firebase FCM, secure authentication, token lifecycle management, and Hive caching. - Integrated Stripe payments and developed complex scheduling and role-based workflows. - Improved performance through lazy loading, caching, and Flutter DevTools profiling (CPU, memory, widget rebuild analysis); maintained 90% test coverage using Unit, Widget, and BLoC tests. - Managed iOS builds and pre-release testing through TestFlight and configured CI/CD pipelines for automated builds and deployment. - Used AI-assisted tools for test generation, refactoring, API integration, debugging, and development productivity.	
Tecxmate Limited <i>Contractual Software Engineer (Flutter), Part-time</i>	Taiwan (Remote) July 2025 – February 2026
- Developed and maintained Flutter applications using layered architecture, REST APIs, Supabase, and reusable components. - Integrated Stripe payments with webhooks and server-side transaction verification. - Refactored legacy modules, resolved production issues, and collaborated directly with stakeholders using Jira/Notion. - Used AI-assisted development tools for code generation, refactoring, debugging, API integration, and production issue analysis.	

Technical Skills

Languages: Dart, C++ **Framework:** Flutter
Architecture: BLoC, Clean Architecture, SOLID, OOP, GetIt
Backend/API: REST, JSON, WebSockets, Node.js, Supabase, MongoDB
Integrations: Firebase, FCM, Stripe, Maps, Geolocation, AI APIs, Analytics
AI: OpenAI APIs, AI Feature Integration, Prompt Engineering, AI-Assisted Development
Testing/DevOps: Unit, Widget, BLoC Testing, CI/CD, TestFlight, Git, GitHub
Tools: Hive, SharedPreferences, Postman, Jira, Notion, DBeaver

Problem Solving

Codeforces: 1221 | **UVa:** 160+ | **LeetCode:** 170+
Participated in 100+ programming contests on AtCoder, VJudge, and Toph.

Notable Projects

ClassZ	Flutter, Node.js [Live]
- Built role-based Parent, Center, and Owner workflows for scheduling, enrollment, payments, and operations. - Implemented Stripe, REST/WebSockets, FCM, and complex schedule rearrangement with approval workflows.	
Crypted	Flutter, Supabase [Live]
Developed a game-based learning platform with AI quiz generation, database fallback, and scalable media handling.	
Lucky Map	Flutter, FastAPI
Built map/geolocation features with rule-based location evaluation, building categorization, and dynamic ranking.	
TailU	Flutter, Supabase
Developed AI-powered image/video analysis, conversational AI, and analytics dashboards for pet behavior insights.	

Education

Mawlana Bhashani Science and Technology University B.Sc. (Engg.) in Computer Science and Engineering	Dhaka, Bangladesh February 2019 – June 2024
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