

MD MAHADY HASAN

Senior Software Engineer | Cross Platform | Flutter Architect

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PROFESSIONAL SUMMARY

Senior Mobile Engineer (Flutter) with 8+ years building cross-platform applications for 1M+ users. Led engineering teams of 5–12 delivering 10x client revenue growth and cutting deployment time by 60% through CI/CD automation and modular architectures. Proven expertise in Clean Architecture, performance optimization, and mobile platform engineering.

Core: Flutter, Dart, Clean Architecture, BLoC, CI/CD, AWS, GraphQL, Firebase, Mobile Performance, TDD

TECHNICAL SKILLS

Languages & Frameworks: Dart, Flutter, Java, Kotlin, Swift, JavaScript, HTML5/CSS3, C++

Architecture: Clean Architecture, BLoC, SOLID, Domain-Driven Design, MVVM, Repository Pattern, DI

State Management: BLoC (Expert), Provider, GetX, Riverpod, Redux

Backend & APIs: REST APIs, GraphQL, WebSocket, OAuth 2.0, JWT, Spring Boot

Cloud & DevOps: AWS (Amplify, AppSync, Lambda, S3), Firebase, CI/CD, Docker, Fastlane, GitHub Actions

Databases: MongoDB, MySQL, Oracle, Firestore, SQLite

Testing & Quality: Unit, Widget, Integration Testing, TDD, Performance Profiling, Observability (Sentry)

Platforms: iOS (Xcode), Android (Android Studio), App Store and Play Store Deployment

Leadership: Roadmap Ownership, Stakeholder Management, Technical Hiring, Mentorship, Agile/Scrum

PROFESSIONAL EXPERIENCE

Senior Software Engineer May 2025 – Present

Appifylab LLC Dhaka, Bangladesh

Scope: Architecture ownership | CI/CD pipeline | Product collaboration

- Built Ezycourse LMS using Clean Architecture and BLoC, scaling to 200+ institutions and 1M+ enrollments with 99.9% uptime.
- Engineered white-label deployment pipeline reducing time-to-market by 75% for 200+ clients with zero-code customization.
- Delivered CI/CD pipeline with automated testing (unit, widget, integration) achieving 90%+ coverage; cut deployment time 60%.
- Optimized app performance: reduced load times 40% and memory usage 30% through lazy loading and state management refactoring.
- Built modular App Builder using dependency injection and SOLID principles for non-technical users.

Tech Stack: Flutter, Dart, Clean Architecture, BLoC, GetIt, REST APIs, OAuth 2.0, AWS, Firebase, CI/CD, Git

Senior Software Engineer Jun 2022 – Oct 2024

Meta Design Solutions Dhaka, Bangladesh

Scope: Team of 5+ | Mentored junior engineers | Architecture decisions

- Designed enterprise-grade apps using Clean Architecture, Domain-Driven Design, and BLoC with clear layer separation.
- Developed GraphQL APIs via AWS AppSync, reducing data transfer 50% and response time 35%.
- Scaled cloud-native infrastructure on AWS (AppSync, Amplify, Lambda, S3) and Firebase for real-time capabilities.
- Established code review standards and mentored 5 junior developers on architectural best practices.
- Integrated Amazon Pinpoint and Google Analytics with custom event tracking for data-driven product decisions.

Tech Stack: Flutter, Clean Architecture, BLoC, DDD, AWS (AppSync, Amplify), GraphQL, RxDart, Firebase

Senior Software Engineer — Team Lead Aug 2021 – Jun 2022

Pridesys IT Limited . Dhaka, Bangladesh

Scope: Led 5-person mobile team | Hiring and mentoring | Sprint ownership | Stakeholder management

- Led 5-person team building BASIS National ICT Award 2022 champion app serving the expatriate community.
- Architected full-stack solution: Flutter (Clean Architecture + BLoC) frontend with Java Spring Boot microservices.
- Drove testing strategy achieving 95%+ coverage using TDD across unit, widget, and integration tests.
- Established Agile practices (standups, sprint planning, retrospectives), improving team velocity by 40%.

Tech Stack: Flutter, Clean Architecture, BLoC, Java Spring Boot, REST APIs, MongoDB, MySQL, Oracle, Git

Mobile Application Developer Jun 2019 – Aug 2021

Infobiz Soft Ltd . Dhaka, Bangladesh

- Delivered 15+ production apps (e-commerce, ride-sharing, booking) with secure payment gateways and PCI-DSS compliance.
- Built real-time features using Firebase Firestore with offline-first architecture and conflict resolution.
- Reduced development time 30% through modular architecture; optimized bundle sizes 40% via code splitting.

Tech Stack: Flutter, BLoC, Provider, Firebase, Payment SDKs, REST APIs, Git

Web Developer Sep 2017 – Dec 2018

Creative IT . Dhaka, Bangladesh

- Developed responsive web applications (HTML5, CSS3, JavaScript, jQuery, Bootstrap); improved site performance 50%.

Tech Stack: HTML5, CSS3, JavaScript, jQuery, Bootstrap, WordPress

AWARDS AND RECOGNITION

BASIS National ICT Award 2022 — Champion | Developed Probash Bondhu App — Fintech solution for expatriates (Category: Inclusions and Community Service).

The Daily Star ICT Solution Provider of the Year 2021 | Team contribution recognized for innovative ICT solutions and technical excellence.

SELECTED PROJECTS

Ezycourse — Scalable LMS for 200+ institutions, 1M+ enrollments. White-labeled apps, smart upsell achieving 10x client revenue. (Flutter, BLoC, AWS)

Sheba.xyz — Bangladesh's largest service marketplace, 1M+ users, 10K+ daily transactions, multi-payment integration. (Flutter, Clean Architecture)

Park Education — Bilingual education app with 50K+ active learners, interactive e-books, vocabulary tracking. (Flutter, BLoC)

EDUCATION

Bachelor of Science in Computer Science and Engineering 2013 – 2017

Daffodil International University, Dhaka, Bangladesh

Languages: Bangla (Native), English (Professional Working Proficiency) | **Open Source:** Active contributor on GitHub