NAFEES AHMED SHIHAB (NAS)
FLUTTER DEVELOPER

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SUMMARY

Experienced cross-platform mobile app developer with a strong focus on Flutter (Dart) and Android architecture. Proven track record in leading development teams, designing scalable software systems, and delivering high-quality mobile solutions. Specialized in:

- **State Management**: Proficient in Provider, Riverpod, and GetX for efficient, reactive UI and scalable state handling.

- **API Integration & QA:** Designed and integrated REST APIs; collaborated with backend teams on testing, documentation, and validation.

- **Software Architecture:** Skilled in system analysis, requirement breakdown, and implementing scalable solutions using SOLID, MVVM, and clean architecture.

- **Firebase:** Integrated authentication, Firestore, analytics, cloud functions, and Crashlytics for real-time features and stability monitoring.

- **SDK & Platform Channels:** Integrated third-party/custom SDKs for biometric verification and hardware interfacing.

- **AI Tools & Integration:** Practical experience with AI workflows including image-to-text, text-to-image generation, and chatbot development using modern LLMs and generative models.

- **Leadership:** Led Android development teams, mentored junior developers, managed sprints, and maintained high code quality with peer reviews and CI/CD.

- **Advanced Features:**
  - Face detection & liveliness verification (ML Kit, Regula, custom SDKs)
  - QR & barcode scanning (Google ML Kit)
  - TensorFlow Lite Model train, Google ML Kit Image Labeling
  - Custom camera flows for selfie, document, and ID capture
  - POS device integration (thermal printers, ticketing, receipts)
  - CRM & Business Applications: Delivered end-to-end CRM modules, quotation/invoice systems, and internal tools with seamless UX.
  - Attendance system with hardware integration (RFID/Biometric scanners) for real-time attendance tracking and management

WORK EXPERIENCE

Flutter developer • Spectrum IT Solutions Ltd.   AUG 2023 - PRESENT

- **Summary:** Contributed to the design, development, and deployment of innovative cross-platform mobile applications using Flutter. Focused on user-friendly, scalable, and efficient solutions across various industries. Also responsible for API and app QA to ensure high-quality deliverables.

- **Key Contributions:**
  - Built custom features with provider, riverpod, and getx for reactive state management.
  - IntegratedRESTful APIs with authentication, error handling, and data caching.
  - Developed face detection and liveliness verification using ML Kit/custom SDKs.
  - Worked with Firebase (Auth, Firestore, FCM, Storage, Functions).
  - IntegratedQR/barcode scanners, camera flows, POS machines (thermal printers).
  - Led mobile teamdiscussions, wrote clean architecture-based code, and mentored interns.

- **Major Projects:**
  - TCB Smart Family Card Sheba
  - Chattogram Zoo Ticketing (POS Machine, thermal printers)
  - Smart Attendance & Feedback Management System
  - Rajshahi Novo Theatre Portal
  - Officers' Club Dhaka
  - Gazipur City Corporation Portal (My GCC)

Freelance Projects

- Developed full-featured e-commerce apps with cart, checkout, payment integration, and admin dashboards.
- Built lightweight, scalable apps using Firebase, REST APIs, and third-party SDKs.
- Delivered AI-enabled features: image-to-text, text-to-image generation, and chatbot interfaces using modern LLMs and ML APIs.
- Managed end-to-end delivery — from client requirement gathering to MVP delivery and iteration.
- Focused on clean UI/UX, performance optimization, and custom state management solutions.

Co-Owner & IT Executive • AALO Limited   APR 2019 - AUG 2021

- Experience 2+ years as IT Executive, Security Maintenance, Backstage management system, Cloud Management, Social Media management & Marketing, Media production (Graphics & Video editing). Also do door-to-door marketing

Java OOP Lab Assistant • Daffodil International University   JUL 2016 - MAY 2018

- Around 2 years working as a JAVA OOP (LAB Assistant) under our Dept. Head.

ADDITIONAL SKILLS

❏ Graphics Design & Video Editing
  - Camtasia, Filmora, Adobe etc.

❏ Administrative
  - Digital Marketing
  - Data Entry
  - Social Media
  - IT
  - Data Management

❏ Creativity
  - Project Management
  - Team Leader
  - Network & Security Specialist
  - Communication

EDUCATION

BSc in Computer Science & Engineering   2015 - 2019

Daffodil International University, Dhanmondi, Dhaka
- Served as a lab assistant for Java OOP, helping peers understand object-oriented concepts and coding practices.
- Focused on software development, data structures, algorithms, and system design.

HSC in Science   2012 - 2014

Government Science College, Tejgaon, Dhaka
- GPA : 5.00

SSC in Science   2010 - 2012

Jatrabari Ideal High School& College, Jatrabari, Dhaka
- GPA : 5.00

PERSONAL INFORMATION

Birth Date	: 02 February 1997
Father's Name	: Md Jalal Uddin
Mother's Name	: Samsunnahar
Nationality	: Bangladeshi
Present Address	: DIT Project, Merul Badda, Dhaka
Permanent Address	: Nawabganj, Dhaka 1320
Language	: Bangla, English, Hindi, Urdu

REFERENCE

Name	: Dr. Syed Akhter Hossain
Position	: Dean, Faculty of Science and Information Technology; Professor
Institute	: Daffodil International University
Phone	: 880 181 7382645
Email	: aktarhossain@daffodilvarsity.edu.bd
Social	: linkedin.com/in/dr-syed-akhter-hossain-44013434/
Relationship	: Lead supervisor in project research