

Ahmad Umar Mahdi | Full Stack Kotlin Developer (Mobile & Backend)

Dhaka-1230, Bangladesh

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Highly skilled Full Stack Kotlin Developer specializing in mobile application development and backend systems. Proficient in Kotlin for both mobile and backend development, leveraging Spring Boot for backend services. Experienced in modern Android technologies, and Clean Architecture. Strong track record of delivering high-quality software products and collaborating effectively with cross-functional teams to meet business objectives.

PERSONAL DETAILS

Father's Name	: DR. MD. EAHEA
Work	: Associate Professor of Bangla, National University, Gazipur.
Mother's Name	: MST. ANZUMANARA KHATUN
Work	: Associate Professor of Economics, Cantonment College Jashore.
Date of Birth	: 22/12/2001
Blood Group	: O+
Height	: 5'5"
Religion	: Islam
Present Address	: H-39, R-2, Block A, Sonargaon Avenue, Diabari, Dhaka
Permanent Address	: Showhardo Vila, Airport Road, Arabpur, Jashore

EDUCATIONAL QUALIFICATION

Fall'19 – Summer'23 Ashulia, Dhaka	Computer Science and Engineering Bachelor of Science Daffodil International University CGPA 3.45 Out of 4.00 - Participated in ICPC Dhaka Regional Preliminary Contest, 2020. - Participated in Take Off Programming Contest, fall'19 & Spring'20.
2017 – 2019 Jashore	Higher Secondary Certificate Science Jashore Govt. Shikkha Board Model School & College GPA 3.42 Out of 5.00
2016 – 2017 Jashore	Secondary School Certificate Science Nutan Khayertala Secondary School GPA 4.00 Out of 5.00

WORK EXPERIENCE

Summer'25 – current Mirpur DOHS, Dhaka	Junior Mobile Application Developer Karooth IT (BD) Ltd. - Worked with South Sudan client. - Maintaining mobile app and backend of SNSOP using Kotlin and Spring Boot. - Worked on multiple Module, such as – Biometric Verified Payment, Attendance, GRM. - Developed two Compose Multiplatform production level application using Kotlin Multiplatform.
Fall'24 – Summer'25 Banasree, Dhaka	Junior Software Engineer 6sense Technologies - Worked with USA and India client. - Developed an innovative IoT enabled Android application for Ome Inc., achieving seamless real-time control of smart kitchen appliances
Fall'23 – Fall'24 Middle Badda, Dhaka	Android Developer (Intern) PRAN-RFL Group - Worked as a full time developer. - Contributed in PRAN biggest project SPRO on Extended period of my contract. Migrating the project with latest technology. - Developed the android application for Mistri Project of RFL Care completely on my own.

PROGRAMMING LANGUAGE SKILLS

Kotlin, Java & Dart
Android and Backend
development

C, C++ & Java
Problem Solving

Python
Machine Learning

SQL & NoSQL
Application Database

TECHNICAL EXPERTISE

Android Native	Firebase DB	Map SDK	Kotlin Coroutines	Paging 3	COIL
View (XML)	Data Store	Work Manager	OOP	ProGuard/R8	KOIN
Jetpack Compose	ROOM	REST API	MVVM Architecture	Arch Linux	KSP
KMP/CMP	Realm	Retrofit	Clean Architecture	Git/Git Flow	Ktor
Spring Boot	MS SQL	Dio HTTP	Dagger Hilt	Riverpod	KMP
RabbitMQ	Minio	Flyway	Elastic Search	Redis	JDBI
Fingerprint SDK	Drive SDK	Gmail SDK	ML Kit	Navigation 3	TfLite

FEATURED PROJECTS

SNSOP (World Bank funded)

The SNSOP project includes three mobile applications: the Registration & Payment App, which uses **Morpho** and **Dermalog** fingerprint devices for secure biometric authentication, the Attendance App, and the GRM App. The backend is built using **Spring Boot**, Java and **Kotlin**.

Website: play.google.com/store/apps/details?id=com.ome.app



Ome (Ome, Inc)

This application is made to control and monitor your gas and electric stoves remotely with features like Cooking Timers, Remote Monitoring and Burner Control. Build using **Clean Architecture**, **Ktor**, **WebSocket** and many more.

Play Store: play.google.com/store/apps/details?id=com.ome.app



SPRO (PRAN-RFL Group)

Software of **PRAN RFL** Operation. I have converted this whole application from **single** module to **multi** module with the help of **Single-Activity & Clean Architecture**, **Ktor** and **Dagger Hilt**.

Play Store: play.google.com/store/apps/details?id=com.pranrflgroup.spro



RFL Care (PRAN-RFL Group)

This application is made with **Kotlin**, **Clean Architecture**, **Retrofit**, **ROOM**, **Dagger Hilt** and **FCM**. It is designed to empower plumbers, technicians, and mistris across Bangladesh.

Play Store: play.google.com/store/apps/details?id=com.rfl.rpl



KnockME : DIU Student Portal++ (Personal)

This application is made with **Kotlin**, **Jetpack Compose**, **Clean Architecture**, **Retrofit** and **Dagger Hilt**. KnockME is a DIU Student Portal unofficial backup server where students can also chat with each other.

Play Store: play.google.com/store/apps/details?id=com.mlab.knockme



Line2Box : A Dot and Boxes Android Game (Personal – 50k+ downloads)

This game was created with **Java**, **Kotlin**, **Firebase** & **Google Play Game**. It is a fun and simple classic Pen and Paper game for 2 people. The game has **Multiplayer**, **Real-time chat** and an **AI Bot** support.

Play Store: play.google.com/store/apps/details?id=com.diu.yk_games.line2box



DIU Foodie Zone (Final Year Project)

DIU Foodie Zone is combination of **three applications (User, Admin, Runner)** made with **Kotlin**, **Clean Architecture**, **Firebase**, **Retrofit**, **Dagger Hilt** and **FCM**. This is a food delivery ecosystem for DIU Campus.

Play Store: play.google.com/store/apps/details?id=com.diu.mlab.foodie.zone



CERTIFICATIONS

OOP concepts with Java
DIU CPC

Link: [drive.google.com/file/d/1kWYzgiuxoMTfbYaKgOGPor_MlfScms2l](https://drive.google.com/file/d/1kWYzgiuxoMTfbYaKgOGPor_MlfScms2l/view)

Date of Certification: Oct 28, 2020

Android Development Using Kotlin
HRDI

Link: [drive.google.com/file/d/1-T0GrexY28LzJlknwdJExNQxR5dEiuo8](https://drive.google.com/file/d/1-T0GrexY28LzJlknwdJExNQxR5dEiuo8/view)

Date of Certification: May 1, 2023

LANGUAGES

- **Bangla:** Native
- **English:** Professional Working Proficiency
- **Hindi / Urdu:** Conversational

REFERENCE

Mr. Shah Md Tanvir Siddiquee

Assistant Professor (CSE)

Daffodil International University

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Fakhrul A. Siddiquei

Senior Software Engineer

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Md. Hafizur Rahman Arfin

Software Engineer (Java / Spring Boot)

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