

MD. MAHEDI HASAN

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☎ +880 1916679932 📍 Dhaka Cantonment, Dhaka-1206

PROFILE

Results-driven Mobile Application Developer with 9+ years of experience building secure, scalable Android apps. Skilled in real-time communication, application architecture, performance optimization, and modern Android frameworks. Proven ability to solve complex problems and deliver reliable products with cross-functional teams.

EXPERIENCE

Senior Software Engineer

TigerIT Bangladesh Ltd.

📅 Nov 2023 – Present 📍 Mirpur DOHS, Dhaka Cantonment

- Led technical planning and architectural decisions for Android features from design through production support
- Modernized legacy modules, mentored engineers, and led code reviews to improve maintainability and quality
- Built maintainable Android features using Jetpack Compose, Clean Architecture, MVVM, JUnit, and Espresso
- Built AI-powered and on-device ML experiences using Unity, CameraX, ML Kit, TensorFlow Lite, and cloud speech
- Developed secure real-time messaging and calling with MQTT, Signal encryption, WebRTC/Janus, and reliable sync
- Delivered identity verification, privacy, VPN, and backup capabilities for security-focused Android products
- Optimized SQLite schemas, indexes, queries, and concurrency for responsive messaging and data integrity
- Improved app stability through memory and performance optimization monitored with Firebase Crashlytics

Kotlin WebRTC Janus VoIP MQTT Room Hilt Coroutines Paging 3 WorkManager Cryptography

Assistant Programmer

Govt. ICT Project (TIHDTCB under the Ministry of Defence (MOD))

📅 June 2019 – October 2023 📍 Dhaka Cantonment, Dhaka

- Developed in-house mobile and web applications using Android Studio, Xcode, Django, and Spring Boot
- Built and maintained Android applications in Java and Kotlin from requirements through release
- Used Android Jetpack, Retrofit, Glide, and Firebase to deliver scalable mobile features
- Optimized memory usage, performance, and resources to keep applications responsive and efficient
- Implemented modern, responsive interfaces with a consistent user experience across screen sizes
- Collaborated on RESTful API design and seamless server-side integration
- Gathered requirements, prepared CRS documents, and coordinated vendor submissions for large-scale applications
- Collaborated with product, design, backend, and QA teams on sprint delivery, reviews, and release planning
- Streamlined CI/CD pipelines for consistent mobile builds, testing, versioning, and releases

Java Python Dagger Glide RESTful APIs MinIO Docker SQLite PostgreSQL Git Jira

Software Engineer

Business Accelerate BD Ltd.

📅 August 2017 – October 2018 📍 Sand Stone GA 9/3, Level 06, Shahjadpur, Dhaka

- Contributed to a Secondary Sales Automation solution with integrated mobile and web applications
- Developed Android features as part of the mobile engineering team
- Collaborated across teams to ensure seamless integration between mobile and web components
- Resolved defects and implemented new business requirements
- Delivered solutions for leading clients including Arla Foods (DANO), MGI, Shah Cement, BOEL, and TBL (PEPSI)

Java MVVM Firebase CodeIgniter MVC Retrofit SharedPreferences MySQL BitBucket Slack

Junior Software Engineer

Xenial IT Ltd.

February 2017 – July 2017

Dhanmondi R/A, Dhaka

- Developed desktop application modules using JavaFX, Spring Framework, and other Java technologies
- Resolved defects and conducted thorough testing to improve functionality and user experience
- Collaborated with cross-functional teams to meet client requirements and deliver high-quality solutions
- Built responsive websites for local clients, optimized for usability across different devices

JavaFX

Spring Framework

JDBC

SQL

RDBMS

Gradle

HTML

CSS

JavaScript

Bootstrap

Git

EDUCATION

M.Sc. in Information and Communication Technology (ICT)	Passing Year: 2027 (Expected)
Bangladesh University of Engineering and Technology (BUET)	CGPA: 3.40/4.00
B.Sc. in Computer Science and Engineering (CSE)	Passing Year: 2017
Military Institute of Science and Technology (MIST)	CGPA: 3.27/4.00
Higher Secondary Certificate (Science)	Passing Year: 2012
Chittagong College, Chittagong	GPA: 5.00/5.00

PROJECTS

Published and maintained Android and iOS applications through Play Store and App Store releases, versioning, billing integration, and post-launch monitoring.		
KinderMate: AI Learning for Kids	100K+ downloads	Google Play
Child-friendly AI learning app with voice conversations, curated videos, parental controls, and COPPA-focused safety.		
Highlights: Unity • Google Cloud Speech • ElevenLabs TTS • Content moderation • Play Billing		
CommChat Messenger & Calls	98.72% crash-free • 5K DAU	Google Play
Secure communication platform with encrypted messaging, threaded collaboration, group calls, and real-time translation.		
Highlights: In-app task management • Post-quantum cryptography (PQC) • BLE connectivity • Telecom framework • Network resilience		
MovieMate: AI Watchlist & Chat	50K+ downloads	Google Play
Movie and TV discovery platform with trailers, watchlists, AI-assisted recommendations, and community interaction.		
Highlights: TMDB API • Authentication • Social features • In-app purchases		
Study Buddy: AI Homework Help	AI Education	Google Play
AI-powered study assistant with contextual tutoring, OCR/PDF summaries, quizzes, essays, and spaced-repetition flashcards.		
Highlights: Generative AI integration • Jetpack Compose • ML Kit OCR • PDF processing/export • Macrobenchmark		
Aura / App Blocker Lite	Digital Wellbeing	Google Play
Privacy-focused app blocking with habit-based unlocks, screen-time budgets, and local-first usage insights.		
Highlights: Accessibility Service • Usage Access • Overlay • Biometrics		
Drinkwater: Hydrate & Grow	Health & Fitness	Google Play
Gamified hydration tracking with personalized goals, smart reminders, history charts, and a plant companion.		
Highlights: Home-screen widget • Notifications • Progress analytics • Leaderboard mini-game		
Cashbook: Money Manager	Personal Finance	Google Play
Cross-platform personal finance app built fully with React Native for managing income, expenses, transactions, and cash balances.		
Highlights: React Native • Transaction tracking • Financial organization • Clear balance overview		
PostStyler: Social Quotes	iOS Creative Tool	App Store
iOS app for creating, styling, and sharing visually engaging social quotes and text-based posts.		
Highlights: Social content creation • Visual post styling • Shareable designs • App Store release		

TRAINING AND CERTIFICATION

Cisco CyberOps Associate
Cisco Academy • Cyber and network infrastructure vulnerability analysis
Introduction to Cyber Security
Cisco Academy • Ethical hacking, cryptography, network and application security, and identity management
Cisco CCNA Training
The New Horizon • Basic networking, routing, and switching
Server and Storage Technology
Biotech BD • Linux server, storage, and cloud technology