



MORTUZA SHAHARIAR

Software Architect | MBA (Strategy & Leadership) DU | ACMP, IBA | Data Analytics

✉ shakil.isd@gmail.com

☎ +8801717642074

📍 Dhaka, Bangladesh

🌐 <https://mortuza.dev>

🌐 <https://www.linkedin.com/in/mortuzashahariar>

PROFESSIONAL SUMMARY

Enterprise Mobile Architect with 10+ years of experience designing and scaling high-availability Android and cross-platform platforms serving 14,000+ active users nationwide.

Specialized in offline-first architecture, modular multi-module systems, distributed synchronization, enterprise API governance, and secure integration with SAP, HRMS, and payment ecosystems. Reduced production incidents by 32% and accelerated release cycles by 45% through formalized architecture review processes and CI/CD automation.

CORE COMPETENCIES

Architecture & System Design

- Enterprise Mobile Platform Architecture
- Offline-First & Distributed Sync Patterns
- Modular / Multi-Module Design Strategy
- Clean Architecture (MVVM)
- API Contract Design & Versioning
- Scalable System Integration

Enterprise Integration & Security

- SAP Integration
- OAuth/JWT Authentication
- Payment Gateway Integration
- Fraud Detection & Audit Logging

Mobile & Cross-Platform

- Android (Kotlin, Java)
- Flutter (Dart)
- Jetpack (Hilt, Room, Navigation, WorkManager)
- Coroutines, Flow & Concurrency
- Background Processing

Data, DevOps & Quality

- Oracle & MSSQL
- SQL Optimization
- Firebase Analytics, BI & Crash Monitoring
- CI/CD (GitHub Actions, Jenkins)
- Release Governance & Staged Rollout
- Unit & UI Testing

WORK EXPERIENCE

Software Architect (Analyst Programmer)

SQUARE INFORMATIX LIMITED | DEC 2017 - PRESENT

A technology company focused on software solutions for various industries

- Defined end-to-end mobile architecture serving 14,000+ active field users.
- Established architecture governance framework reducing production incidents by 32%.
- Implemented CI/CD pipelines decreasing release cycle time by 45%.
- Designed enterprise API ecosystem enabling secure interoperability across SAP, HRMS, and analytics systems.
- Architected offline-first synchronization mechanisms minimizing field-level data inconsistencies.
- Engineered secure payment gateway integrations with transaction-level audit trails and fraud analytics.
- Optimized Oracle database schemas improving reporting performance and reliability.
- Partnered with executive leadership translating strategic objectives into scalable technical roadmaps.
- Led Android & iOS release governance including compliance audits, staged rollouts, and post-release monitoring.

WORK EXPERIENCE

Software Engineer

SHURJOMUKHI LIMITED | SEP 2015 - DEC 2017

A software development company focused on providing innovative solutions

- Developed enterprise-level mobile applications aligned with technical and functional specifications.
- Improved application reliability through performance tuning and defect resolution.
- Built responsive interfaces compatible across multiple device configurations.
- Supported deployment, enhancement, and maintenance across cross-functional teams.

SELECTED ARCHITECTURE INITIATIVES

Enterprise Sales & Field Force Platform (Pharmaceutical Domain)

(Android, Flutter, ASP.NET Core, Oracle | Technical Lead)

- Architected SAP-integrated nationwide mobile sales platform supporting distributed field operations with offline-first data design.

Doctor Investment Database System

(Flutter, MSSQL, REST API | Cross-platform | Technical Lead)

- Supervised end-to-end execution of a financial workflow system handling doctor investments, incentives, approvals, and budget controls.
- Improved operational efficiency by digitizing reporting and approval workflows, decreasing manual processing and accelerating decision-making cycles.

Market Research System (MRS)

(Oracle Database, SQL Optimization | Enterprise Analytics)

- Enhanced Oracle-based analytics pipelines to support evolving business models and large-scale datasets for accurate management reporting.
- Market-Level Doctor Analysis

Delivery, Payment & Fraud Monitoring Platform

(Android, Java, ASP.NET Core | COD, Live Tracking)

- Architected and delivered an end-to-end delivery management system including route optimization, real-time tracking, proof-of-delivery (POD), and payment reconciliation modules.
- Developed live GPS tracking and status monitoring to provide real-time shipment visibility.
- Designed fraud detection logic and analytics dashboards to identify anomalies in delivery and payment data.

Smart Glass & Video Communication Solution

(Android, CameraX, Video Calling, Geo-fencing | Enterprise Use)

- Built an enterprise smart-glass application enabling background image capture, real-time video communication, and geo-fencing.
- Implemented TensorFlow Lite-based on-device image classification and WebSocket-powered live communication to support proactive safety monitoring.

LEADERSHIP & GOVERNANCE

- Established formal architecture review process across engineering teams.
- Defined structured release governance and quality standards.
- Mentored engineers on modular architecture, clean coding, and long-term maintainability.
- Experienced in cross-functional stakeholder communication and async documentation-driven collaboration.
- Strategic thinker with strong decision-making in enterprise environments.

EDUCATION



Master of Business Administration
Department of Organization Strategy & Leadership (OSL)
University of Dhaka

AUG 2023- DEC 2025



Bachelor of Science
Computer Science & Engineering
University of Asia Pacific

JUN 2010 - DEC 2014

CERTIFICATIONS

B-TopSE Architecture Practitioners

Software architecture, UML, ICONIX, object-oriented design

SEP 2025 - OCT 2025

Microsoft Certified: Power BI Data Analyst Associate

Certification from Microsoft focusing on data analysis using Power BI

AUG 2025

Advanced Certificate for Management Professionals (ACMP) 4.0

IBA,DU

Advanced management certification focused on leadership and strategic decision-making

OCT 2024 - JAN 2025