

Sabbir Ahmed Saqlain

iOS Developer | Data Security Researcher

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LeetCode: leetcode.com/u/Saqlain_Ahmed

Objective

Leverage 4 years of iOS development experience and 3 years of research in cloud data security and cryptography to design and deliver secure, scalable, and user-centric technology solutions. Skilled in encryption protocols, key management and secure software development, aiming to strengthen organizational cybersecurity posture.

Education

New Jersey Institute of Technology (NJIT)

Jan 2023 – Dec 2025(expected)

Newark, NJ, USA

Master of Science in Computer Science (GPA: 3.92/4.0)

Thesis: Cloud Data Security and Blockchain

Coursework: Data Structures and Algorithms, Cryptography, Big Data, Machine Learning, Advanced Machine Learning, Trusted Computing & Architecture

Rajshahi University of Engineering and Technology (RUET)

Jan 2015 – Aug 2019

Rajshahi, Bangladesh

Bachelor of Science in Computer Science and Engineering (GPA: 3.48/4.0)

Coursework: Data Structures and Algorithms, Data Mining, Neural Networks, Database Systems, Software Engineering

Experience

Optimizely — Software Engineer II

Sep 2022 – Dec 2022

- Delivered a B2B commerce mobile application
- Collaborated with analysts to translate requirements into technical solutions
- Testing, documentation, and user support
- **Tech Stack:** iOS, Xamarin, C#.

UPAY – UCB Fintech Company Ltd. — Software Engineer

Jul 2021 – Aug 2022

- Developed UPAY, a mobile financial app with 1M+ active customers
- Swift with MVVM-C design pattern
- CI/CD pipeline improvements, enhancing deployment efficiency
- Built scalable iOS solutions for payment processing and user authentication

Brain Station 23 — Associate Software Engineer

Sep 2019 – Jul 2021

Citytouch (The City Bank Limited)

- Refactored and optimized the flagship digital banking app
- Rewriting ~40% of Objective-C codebase to improve stability and scalability
- Integrated hundreds of backend APIs serving thousands of users

UNET Enterprise Banking (UCBL)

- Enterprise banking solution for corporate clients
- Implementing secure transaction flows and backend REST API integration

UCB UNET (UCBL)

- Developed a retail mobile banking app in Swift
- Custom design pattern for efficient UI/UX performance

AB Direct Internet Banking (AB Bank)

- iOS app in Objective-C using the MVVM design pattern
- REST APIs for backend connectivity

Modhumoti Digital Banking

- MVVM design with XIB-based custom UI components
- REST APIs for real-time account services

Tech Stack: Swift, Objective-C, MVVM/MVVM-C, REST APIs, WebRTC, XMPP, WebSocket, Google Maps

Research Projects

Hybrid Blockchain Access Control System | NJIT

Jan 2023 – Dec 2025

- Designed a hybrid blockchain–cloud storage architecture for supply chain data
- Implemented decentralized access control with real-time revocation
- Enhanced system performance to handle large-scale data securely
- Tools: Ethereum, Hyperledger Fabric, MySQL, Docker, AWS

Skills

- iOS Development: Swift, SwiftUI, Objective-C, MVVM-C, MVC, Xcode, REST APIs, CI/CD
- Programming: Go, Python, C/C++
- Blockchain & Security: Hyperledger, Ethereum, Access Control, Cloud Storage
- Machine Learning: TensorFlow, Keras, OpenCV, NumPy
- Tools: GitHub, Bitbucket, GitLab | Agile/Scrum

Others

- Publication: IEEE- Malicious Android Application Detection Using ML
- Internship: Microsoft Young Bangla
- Hobbies: Traveling, Photography, Movies

Aug 2019

Apr 2018(3 Days)