




MD Abir Hasan Zoha

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EDUCATION

Daffodil International University

2016 - 2021

Bachelor of Science in Computer Science and Engineering

CGPA 3.94 out of 4.00

WORK EXPERIENCE

Sr. App Developer (iOS Lead)

December, 2022 - Current

Swiss Shakti Foundation, Zug, Switzerland

- Developed and maintained iOS application from scratch, ensuring they meet the highest quality standards.
- Implemented MVVM with coordinator design pattern, resulting in clean and maintainable code.
- Utilized Fastlane for efficient continuous integration and deployment processes.
- Incorporated Blockchain technology resulting uninterrupted financial experience.
- Designed user interfaces using SwiftUI and navigation using UIKit, creating seamless and user-friendly experiences.
- Integrated Apple In-App Purchases into application, enabling the user to purchase mining licenses.
- Implemented Core Data and Keychain solutions to ensure data security.
- Maintained code quality through the use of SwiftLint and created Xcode templates for quicker development processes.
- Integrated App Attest into iOS applications, ensuring the highest level of security and privacy.
- Proficient in asynchronous programming using async/await, resulting in improved application performance.

Software Engineer

May, 2021 - November, 2022

Nexdecade Technology Pvt. Ltd., Dhaka, Bangladesh

Toffee

- Implemented MQTT protocol by which Toffee iOS subscribe and publish multiple analytical topics. MQTT protocol is cost effective and we are having less DevOps cost.
- Created a central Trello board to manage and track bugs & backlogs which made the team more organized and relieved the cognitive load.
- Found a potential security issue with our usage of GCP Bucket and took initiative to solve the vulnerability.
- Developed multiple features including User Activities, Playlist Creation, Favorites, Subscriptions using Core Data, Alamofire, UITableView, UICollectionView etc.
- Implement payment feature that enabled users to enjoy Fifa World Cup.

TSports

- Designed and developed iOS applications from scratch using the latest technologies, including Swift, SwiftUI, and UIKit.
- Implemented the MVVM design pattern with coordinators to ensure a clean and scalable architecture.
- Integrated FCM notifications to provide real-time updates to users.
- Utilized Core Data for data management and improved application performance by implementing asynchronous programming using `async/await`.
- Participated in Agile software development methodologies and used Git for version control.
- Collaborated with designers, product managers, and other software engineers to deliver high-quality application.

OPEN SOURCE CONTRIBUTION

Swift Argument Parser (Apple Project)

Jan, 2021

- Added custom helpNames support for Subcommand
- Fixed issue #215
- Written test code to validate that my change is working
- Updated documentation to make user aware of the changes

COURSES & TRAINING

Raywenderlich iOS Bootcamp

May, 2020 - Aug, 2020

- Learned about Swift, TableView, CollectionView, SwiftUI, Core Data, URLSession, GCD, etc.
- Developed confidence to work on any application by completing weekly assignments.
- Received **Top Five Students** Award for my excellent performance.

BUILDING BRIDGES THROUGH LEADERSHIP TRAINING

Nov, 2020

- Leadership training course offered by the premier leadership institute in Bangladesh.
- Helped me learn teamwork, communication and leadership.
- Worked with a diverse group of students from different socioeconomic backgrounds
- Learned to respect each other's views even when we do not agree.

COMMUNITY INVOLVEMENT

Speaker at KotlinConf 2019 Global, Dhaka

Feb, 2020

- Introduced Kotlin Coroutine in the local Android Meetup at Dhaka.
- Motivated the listeners to start thinking of introducing Coroutines into their codebases.
- Discussed how easy to use Kotlin Coroutines and its first-class support in the Android SDK.