

Prajeet Shrestha

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Open Source project contribution: 2023

Projects:

1. IceCubesApp - **On Going**

Contribution details:

- I got to work with talented developers of the international swift community for this open source project and contributed to the theming of the whole application.

Project link: <https://github.com/Dimillian/IceCubesApp>

Latest Freelance projects taken during period of 2020-2023

Projects:

1. Affix Audio (iOS , Swift) - **On Going**
2. Connected Farmer (iOS, Swift)
3. TamusKollection (Flutter, Dart)
4. Metta.Social
5. Bamboo Cloud (iOS, Swift & Objective C) - **On Going**

Frameworks, SDKS, Technologies:

- Flutter, iOS SDK
- CoreData, SwiftUI, Combine, UIKit, AVFoundation
- Firebase

My roles in these freelance project is as follows:

1. Native iOS Developer
 - Responsible for delivering reusable components that other developers in the team used throughout the application. Making sure the interface of the reusable component is very clean and easy to use.
2. Lead Developer
 - Responsible for setting up architecture and coding manifesto for diverse group of iOS developers under me.
3. Product Owner - responsible for product concept, delegating tasks to designer, backend developer and front end developer and monitoring project progress.

Time: 2019 Nov - 2022 Aug

Position: Senior iOS Developer

Company: Spiralogics International Nepal

Programming languages that I have used:

- Swift, C# , Dart, Javascript

Frameworks, SDKS and Database

- iOS Native SDK, Xamarin, NodeJS (Express) with MongoDB, Flutter, SwiftUI , Combine

Programming Paradigms:

- MVC
- MVVM
- Protocol Oriented Programming
- Dependency Containers

Tools and Technologies - Mobile

- Geo Fencing
- Microsoft Authentication Library (MSAL) for authentication
- Custom Charts
- Realtime chat using Twilio, Phone Authentication, SMS API
- SandDisk SDK Integration (Manage files in Flash Disk through lightning port)
- Moya for Web Service consumption
- Custom URLSession for Web Service consumption.
- CoreData for Offline Storage
- Twilio phone authentication
- Antmedia server for Video Streaming (WebRTC)
- AVFoundation for video playback
- Universal Links
- Push Notification (One Signal, Firebase)
- **Xamarin** - Xaml, Converter, Native Bindings, SQLite, Modular Architecture
- **Flutter** - Canvas API for scalable responsive UI design with geometric calculations. Custom touch handlers.

Tools and Technologies - Backend

- JWT Based authentication token
- OAuth Authentication Flow For Strava Login
- FirebaseAdmin integration for push notifications
- Axios to pull data from Strava API
- FirebaseAdmin integration for push notifications
- Exposed a REST API for client application using Express
- SwaggerJSDoc for API documentation.

- Aggregate framework and mongoose for MongoDB database queries and schemas.

My Core Responsibilities while in Spiralogics is:

- Writing code in day to day basis
- Programming Language I had to code on were: Swift (Native iOS), C# (Xamarin), Dart (Flutter) and Javascript (NodeJS)
- Reviewing pull requests and pair programming.
- Involved in architecting projects for performance optimizations.
- Closely involved in making mobile friendly API-Guidelines.
- Consult and give feedback to designers and UX/UX improvisation
- Help project managers estimate the level of effort for completion of tasks for the technical team.
- Conduct technical knowledge sharing sessions for the team for collaborative learning and growth.
- Mentoring junior developers.

Projects Involved during my tenure at Spiralogics:

- A. FlyExclusive: (iOS, iPadOS, Swift)
- B. FlyExclusive EI (iOS, Swift)
- C. AdKaddy (iOS, Swift)
 - 1. [Playstore Link](#)
 - 2. [Appstore Link](#)
- D. SpiralogicsPlus (iOS, Android, Xamarin Forms, C#)
- E. Nepal Sambat
 - 1. [Playstore Link](#)
 - 2. [Appstore Link](#)
- F. WalkSafer
 - 1. [\(Link to the appstore\)](#)
- G. GetFit (NodeJS, Javascript, MongoDB)
- H. BracketIt (Flutter, Dart) ([Appstore Link](#))

Time: 2018 Jan - 2019 October

Position: Co-Founder

Company: Appricious Inc

During this time I explored some entrepreneurship with co-founders in a team. We started a project especially for Restaurant Management with main focus on management of Kitchen Tickets and Bar Tickets.

Responsibility:

- Managing Technical Team consisting of Android Developer and .Net Developer

- Involved in market research for polishing product requirement
- Involved in onboarding designers for creating design of tablet, mobile and web-application.
- Involved in hiring process of developers
- Involved in organizing daily standups with the team.

Time: 2016 July - 2017 December

Position: Senior iOS Developer

Company: EeposIT Holdings Nepal, Old Baneswor, Kathmandu

Projects Involved in:

1. Vite Exclusive Events (Social Networking App For Events)
2. Merge (Social Network Handle Aggregator)
3. GameTrove (Web Games Aggregator).
4. NHS(Nory's Home Service)
5. Debut (Worked on expanding features of preexisting app)

Libraries, SDK, API, Frameworks Used:

1. Social Login (Twitter, Facebook, Google, LinkedIn)
2. Firebase For Realtime Chat
3. Alamofire for Networking
4. Uber SDK
5. Facebook iOS SDK
6. SDWebImage for image caching
7. Crashlytics

While in EeposIT my responsibilities were:

1. Training/ Assisting junior iOS Developers
2. Monitoring pull requests
3. Writing Code
4. Help on estimation on projects to management
5. Assisting designers on iOS Specific designs.
6. Discuss data requirements for the app with backend developers to assist them in API development.

Time: 2015 April - 2016 June

Position: iOS Developer

Company: Ekbana Solutions, Kupondole, Kathmandu.

Projects Involved in:

1. AlmostME (Surveying App) (Objective-C)
2. Edvelop (iPAD App assisting communication between, student and teachers) (Objective - C)

Time: 2014 July - 2015 April December

Position: iOS Developer

Company: A.M Nepal, Tripureswor, Kathmandu.

Projects Involved in:

1. Bump Into Mums (Events listing & searching app for mothers) (Objective - C)
2. Kew Local (Business Listing Apps) (Objective - C)

Features that I have worked on:

1. Distance based filtering of events. Events filtered based on proximity to the user's current location.
2. Offline data storage and database synchronization with the server.
3. Pushing form data including images and text.
4. Social Network integration for sharing event information.
5. Customized map annotations.
6. Worked on Integrating apps with JSON API.

Time: 2014 April - 2014 July

Position: iOS Developer

Company: Maxblogpress, Gairidhara, Kathmandu

My job was to reskin various games based on Cocos2D. I worked on implementing various features such as:

1. In-app purchases
2. Game Center Integration
3. Ad Network Integration (Vungle, Admob, Mopub)

iOS Projects taken as Freelancer throughout my career:

1. [Aval Pay](#): (Objective-C) I was hired to fix various bugs in this pre-existing app.
2. [Banco Agrario](#): (Objective-C) A implemented AR feature and various layouts in this app.
3. [SeenIt](#): (Objective-C) App for fashion enthusiasts.
4. Veggie Rating: (Swift) Restaurant review and rating app.
5. Popular Cars (Swift): App for booking a ride for hire.
6. **WizardOfNumbers(Swift)**: Simple math game/ memory training game totally based on the UIKit framework in iOS.

I have developed following android apps as personal project:

1. **Showtime**: (App for viewing information regarding schedules of various programs on different TV Channels)
2. Quiz app.
3. EPS Topik Result:

My responsibilities in the personal projects were:

1. Development of API using NodeJS
2. Web Scraping using Cheerio in NodeJS for data.
3. Development of android app using Kotlin

Links for the app that I have worked on (Sorted Latest First)

1. [Debut](#)
2. [Merge](#)
3. [Vite Exclusive Events](#)
4. [Big Mart](#)
5. [Kew Local](#)
6. [Bumps into Mums](#)
7. [Ace Casino Roulette Royale](#)
8. [Hidden Captain](#)
9. [AAA 2048](#)

Public Profiles:

Github Repo:	https://github.com/PrajeetShrestha
Stackoverflow	http://stackoverflow.com/users/3425884/prajeet-shrestha
Linkedin	https://np.linkedin.com/in/prajeet-shrestha-4ab2428a

Languages

Nepali, English, Newari