

# iOS Developer

## Personal Data:

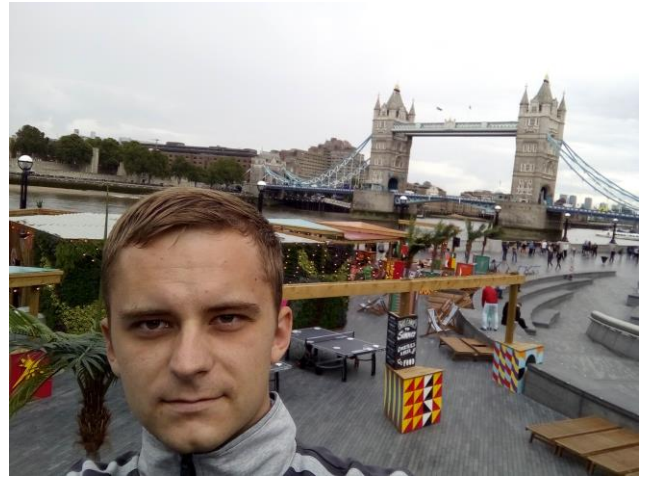
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## Education:

2012 – 2018 - Kharkiv Airspace National University, System Engineering,  
Master's degree

## Skills:

English - Intermediate

## iOS:

Core: XCode Instruments, Swift, Git, GCD, Objective-C, Objective-C++, C++

## Frameworks:

Database – Realm, CoreData

Social auth - Firebase SDK, Facebook SDK, Google Sign-In.

Maps - Google Maps + MapKit + MapBox,

Audio / video – AVFoundation, Photos, GPUImage, OpenCV

AR / VR – ARKit, CoreMotion

Payments / In-App purchases – Braintree SDK, Stripe SDK.

Networking - REST(Moya + Codable), Web-Socket (SocketIO + Codable), GraphQL

Event-driven development – KVO + KVC, RxSwift, Redux (ReSwift)

Code-generation: Generamba, XCode Templates.

Design patterns: MVVM, VIPER, MVC.

## Other skills:

Android:

Java, Android SDK, Git, Google API, OkHTTP, GSON, Retrofit, Cupboard, Picasso, Glide

Design patterns: MVP

Backend:

JavaScript (NodeJS), Firebase Cloud Functions, Parse Cloud functions

CI / CD:

CD – Fastlane.

## Work Experience:

January 2017 – March 2018 – Junior Manual QA (Mobile and Web projects testing) at Brander Studio

<https://branderstudio.com/>

March 2018 – July 2018 – QA Engineer at ANODA Mobile Development Agency

July 2018 – March 2019 – Junior iOS Developer at ANODA Mobile Development Agency

<https://anoda.mobi/>

April 2019 – Current time – iOS Developer at NLT (New Line Technologies)

<https://newline.tech/>

## Work Projects:

1. Video Streaming application

Responsibilities: GraphQL Server API Integration, Custom UI components implementation, Third-party Video Player integration with custom UI-control elements.

Achievement: Implemented and upgraded RxSwift extension for GraphQL API

<https://github.com/scottrhoyt/RxApollo>

2. Instagram-like application for travelers

Responsibilities: design and implement database structure for server-side (Firebase app). Connect client-side (iOS App) to Firebase Backend (direct read/write operations to Firebase Database and Firebase Cloud Storage)

Achievement: Implemented RxSwift for network operations + Redux ( ReSwift -

<https://github.com/ReSwift/ReSwift>) for screens with complicated UI and state handling.

3. Guide-app for Pilots (support and new features implementation)

Responsibilities: implement cloud-function for Back4App web-server <https://www.back4app.com> that will send email notifications to customer (JavaScript + NodeJS <https://nodemailer.com/about/>).  
Fix Facebook login, 'rate app' functionality and minor UI fixes.

#### 4. Chat-app

Responsibilities: implement app from scratch with Swift (using existing app written on Objective-C).

<https://apps.apple.com/us/app/superfy-ask-answer-chat/id1191453603>

Tasks and technologies:

REST API + SocketIO Server API integration, Local data storage for offline-mode capability (Realm), Custom animations, Push-notifications, In-app notifications, Project migration from MVVM architecture to VIPER + Coordinators.

#### 5. VR-app

Responsibilities: implement custom design for VR-components and views using Swift + SceneKit framework

Tasks and technologies:

SceneKit, CoreMotion, AVFoundation, CoreImage.

Custom VR views implementation, motion tracking.

#### 6. Taxi app

Responsibilities: implement taxi app from scratch

Custom UI implementation, REST API integration

Used technologies: GoogleMaps, GooglePlaces, Google Directions API, Moya + Codable for REST API.

#### 7. Panoramic camera app.

Responsibilities: Implement an app for 360 panorama capturing.

Used technologies: Core Motion, AVFoundation, OpenCV, Swift - Obj-C – Obj-C++ – C++ bridging for image processing.

#### 8. Gifts ordering app.

Responsibilities: Implement and deploy MVP iOS app to the store.

Used technologies: UIKit + Autolayout (custom UI components), REST API (Moya+RxSwift), SocketIO (chats functionality), Braintree SDK (in-app donations), Realm database,

Project description: social networking app that allow user create events with gifts that they want to obtain and perform donations to other user gift wishes.

## **My Projects:**

**iOS:**

<https://github.com/SergLam/CryptoMonitor>

<https://github.com/SergLam/FirebaseTraining>

<https://github.com/SergLam/Geronimo>

<https://github.com/SergLam/FacebookPhotoViewer>

<https://github.com/SergLam/PhotoToVideoConverter>

<https://github.com/SergLam/HydroFuel>

<https://apps.apple.com/ua/app/hydrofuel/id1432543329?l=ru>

### **Android:**

<https://github.com/SergLam/MorseEncoderDecoder>

<https://github.com/SergLam/SysEquSol>

[https://play.google.com/store/apps/details?id=samurai.com.weather\\_app](https://play.google.com/store/apps/details?id=samurai.com.weather_app)

<https://play.google.com/store/apps/details?id=com.samurai.sysequsol>

### **Backend:**

<https://github.com/SergLam/FirebaseCloudFunctions>