



**Degree:** Bachelor of Informatics Engineering

**Language skills:** English (business fluent) | Lithuanian (mother tongue) | German (basic knowledge) | Russian (basic knowledge)

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**Ramunas Jurgilas** • Portfolio: <https://electas.net/>

## Skills

### iOS:

- Swift, objective-C, SwiftUI, Combine, CoreBluetooth (BLE), Cocoa Touch, Core Data, Core Animation, Core Graphics, Networking, Core Location and MapKit, XCTest

### Data:

- Core Data, Firestore, SQLite, MySQL

### Tools:

- Xcode, Instruments, Git, CocoaPods, TestFlight, JIRA, Sketch

### Best Practices:

- Protocol-Oriented Programming, Object-Oriented Programming (OOP), Design Patterns, User Experience (UE/UX), Concurrent Programming, SCRUM, Test-Driven Development (TDD), Internationalization and localization

### Projekt Management:

- Kanban, Scrum, JIRA
- iOS app architect and developer since 2010
- Fluent with design patterns, best practices, and Apple's iOS human interface guidelines (HIG)
- Well-versed in publishing apps on the App Store

## Project history

**Global Scale GmbH · 06/2022 - 02/2023**

**Senior iOS CONSULTANT**

### Technology:

- **SwiftUI:** Refactored an app that it will be based only on SwiftUI
- **XCTest:** Introduced UI and unit testing in project
- **CI/CD:** I have set up **Xcode Cloud** pipelines for distributing builds using TestFlight
- **async/await** for better handling asynchronous tasks
- **URLSession** for network communication with RESTful backend
- **VisionKit** for document scanning
- **PDFKit** for document preview

### Description:

- The codebase designed in the way, that it will be easy way to support white-label products. One base source code used for multiple mobile applications. With this app, customers can scan health-related documents, upload them for review to health institutions and get review status about the document validation progress. To implement these functionalities it was used: SwiftUI, Swift, Combine, async/await, VisionKit, Networking, PDFKit, UIKit and other.

### References:

- **SDK - App:** <https://apps.apple.com/us/app/sdk-app/id1447230605>
- **Beihilfe-Service:** <https://apps.apple.com/de/app/beihilfe-service/id1494306322>

**Teltonika Telemedic · 02/2021 - 06/2022**

## Senior iOS ARCHITECT · DEVELOPER · SCRUM MASTER

### Technical:

- **Swift, SwiftUI, Combine**, and **UIKit** were used for user interface development
- **CoreBluetooth** used to connect and communicate with **BLE** (Bluetooth) devices
- **McuManager** and **CBOR** were used for communication with **BLE** device
- **FHIR** (Fast Health Interoperability Resources from HL7) integration into iOS app using **RESTful API**
- **CoreData** for saving users' data
- **HealthKit** for reading electrocardiograms from the iOS device
- **Health data representation**: ECG, heart rate and step counts
- **SCRUM master** as for iOS and Android projects
- **Kotlin** I have used it to implement unit tests for Kotlin base code

### Description:

- I was developing health app (MyHealth). An app was responsible for pairing with medical device using Bluetooth. User sign-in and authentication using AWS Cognito. Communication with FHIR\* supported backend. Data persistence using CoreData. Medical data (electrocardiograms (ECG), heart rates and steps) visualization in the app. As well I have worked as SCRUM master. I have been preparing and creating technical tasks for iOS and Android Teams.

\*FHIR - Fast Health Interoperability Resources from HL7

## MB Electas · 10/2012 - 09/2020

### iOS DEVELOPER

#### Technology:

- **Places around you:**
  - **SwiftUI & Combine**
  - **API RESTful** integration for Google place
  - **Google Firebase** integration: Firestore, remote configs, storage
  - **MapKit**
  - **CoreData** for saving data in data base
  - **AdMob** integration
- **Kidi Parks**
  - Created product road map
  - Wrote technical documentation for the project
  - Searching for Android developer regarding project implementation
  - Hiring UI designer and communicating with UI designer about app needs
  - Coaching and guiding junior Android developer
  - I have implemented Kidi Parks app for iOS app

#### References:

- **Car Repair**: <https://apps.apple.com/us/app/car-repair/id558310749>
- **KidiParks**: <https://apps.apple.com/us/app/kidi-parks/id1497489711>

## Danske Bank Lithuania · 07/2018 - 03/2020

### Senior iOS ARCHITECT - CONSULTANT · SCRUM MASTER

#### Technology:

- **objective-c** was used to maintain and fix legacy app Mobile-ID
- **Swift** to implement to new branded app Danske-ID
- Networking communication using **RESTful API**
- Touch/Face ID, Encrypt & decrypt data (Security.framework)
- **UIKit**
- Test Driven Development, Unit testing, UI testing
- **CI/CD**: Continuous Integration & Delivery using Xcode Server

#### Description:

- Danske ID and Mobile ID is Danske Bank's secure authentication App. With Danske ID app users can to authenticate and approve actions on Mobile Bank and eBanking. I was responsible for designing and leading the team building Danske ID application. Besides, that I was responsible to maintain an old Mobile ID app.

#### References:

- **Danske ID**: <https://apps.apple.com/na/app/danske-id-danske-bank/id1458730477>
- **Mobile ID**: <https://apps.apple.com/na/app/mobil-id-danske-bank/id1087858143>

## WhoSampled · 02/2018 - 07/2018

## **iOS CONSULTANT | OBJECTIVE-C · SWIFT · UIKIT · STORYBOARD**

### **Technology:**

- **Swift & objective-c**
- **Storyboard & UIKit**
- **Spotify** and **Apple Music** integration
- **StoreKit (In-App Purchase)** for auto renew subscriptions implementation
- **ACRCloud** integration for automatic songs recognition
- **AVFoundation (AVQueuePlayer)**: custom player implementation for Spotify and Apple Music streams
- **Support & maintenance** for fixing major, critical and clocker issues

### **Description:**

- I was responsible for supporting and maintaining legacy code. Support for bigger screen resolutions. Better handling huge data parsing which were retrieved from Spotify api.

### **Reference:**

- **WhoSampled**: <https://itunes.apple.com/us/app/whosampled/id529092671?mt=8>

## **Mediafon ID · 08/2015 - 02/2018**

### **SENIOR IOS ARCHITECT**

#### **Technology:**

- **Swift, objective-c** and **C++**
- **OpenSSL** Have used it for generating PEM and **PKCS12** (p12) certificates on iPhone
- **Security** framework I have used for generating RSA and EC (elliptic curve) keys
- **Touch ID, encrypt & decrypt** data (Security.framework)
- **UIKit**
- **Unit testing** and **UI testing**
- **PDFKit**

#### **Description:**

- I was responsible on architecting and implementing: MobiSgin and Mediafon ID.
  - **MobiSing\*** app was created for signing digital documents and managing signed documents.
  - **Mediafon\*** is a second factor authenticator app for confirming bank transactions.

\*An app not any more in the App Store market.

## **Vodafone Group Services GmbH · 01/2009 - 12/2015**

### **SOFTWARE ENGINEER**

#### **Technology:**

- **Swift** and **iOS**: SmartPass prototype
- **objective-c** and **iOS**: 360 Client, Vodafone Cloud and NetAlert
- **Java** and **Android**: NetAlert & Vodafone Cloud
- **QT** and **Symbian S60**: 360 Sync Client
- **C++** and **Symbian S60**: People Client
- **git**
- **SCRUM**
- **Unit testing** and **UI testing**

#### **Description:**

- **People Client\*** and **360 Client\*** is a social network aggregation and address book back up application for the Vodafone 360 service. Have worked on many technologies like Java, QT, C++, objective-c and others.
- **NetAlert\*** application/tool for iOS and Android platforms. This application helps in easy way to report mobile network problems. It will automatically collect necessary information (location, roaming status, MCC, MNC and other info) which helps to highlight areas of poor network coverage.
- **Vodafone Cloud\*** application allows user to backup photos and videos from iPhone/iPad. It supports photo browsing, video watching, music playing and documents viewing.
- **360 Sync Client** for Symbian 5.x. This application was implemented using QT (a cross-platform application and UI framework).

All projects were done using an interactive and incremental agile software development method - SCRUM. Code reviews (peer reviews) were done to improving quality of the software and the developers' skills. Test-driven development (TDD) and automated unit test were written to increase software stability. Git and SVN systems for source code management were used.

\*None of these projects any more in the market.

## **TeleSoftas Ltd. · 01/2005 - 01/2009**

### **MOBILE APPLICATION DEVELOPER, PLATFORM ARCHITECT**

#### Technology:

- C++
- Symbian S60 & UIQ
- SVN

#### Description:

- **HandyWi\*** is an application to discover WiFi spots. Connect to WiFi spots automatically or manually and do authentication using WISPr (Wireless Internet Service Provider roaming) protocol.
- **Eurobate\*** is an application to observe SMS events (received & sent), make backup of them and sync with the server.
- **Azi360\*** is an application to listen GPS location changes. Send locations to the backend. Using MobileSpeak framework result from back end was loudly spoken. Azi360 project dedicated for disabled persons (unseeing).

\* Not any more in the market.

**Dac Planet Development Ltd. · 01/2003 - 12/2006**

#### SOFTWARE DEVELOPER

#### Technology:

- C++, Symbian S60
- php
- MySql
- HTML

#### Description:

- **OvaoWhiz\*** photo sharing application (Symbian, php, MySql, HTML)
- **AirPedia\*** e-books reader (Symbian, C++, php, MySql, HTML)
- **RSS reader\*** (J2ME, Java, php, HTML)

\*Not any more in the market.

## Certificates

#### Async/Await and Actors - Concurrency in Swift

2022 · [Udemy](https://www.udemy.com/certificate/UC-3c673bc1-162b-403e-9f0e-5ced8d4b1850/) · <https://www.udemy.com/certificate/UC-3c673bc1-162b-403e-9f0e-5ced8d4b1850/>

#### SwiftUI - Declarative Interfaces for any Apple Device

2022 · [Udemy](https://www.udemy.com/certificate/UC-f2b5e2e0-d0d8-4f21-baab-77b9a5abcf3e/) · <https://www.udemy.com/certificate/UC-f2b5e2e0-d0d8-4f21-baab-77b9a5abcf3e/>

#### Test Driven Development in iOS Using Swift

2022 · [Udemy](https://www.udemy.com/certificate/UC-6558ab80-3e21-4a17-a7aa-a85d9ded83f4/) · <https://www.udemy.com/certificate/UC-6558ab80-3e21-4a17-a7aa-a85d9ded83f4/>

#### MVVM Design Pattern in iOS Using SwiftUI

2020 · [Udemy](https://www.udemy.com/certificate/UC-9a304735-8135-456e-94f8-2f325e0021fa/) · <https://www.udemy.com/certificate/UC-9a304735-8135-456e-94f8-2f325e0021fa/>

## Education

#### Vilnius TEHCH - Vilius Gediminas Technical University

2005 - 2008 Bachelor of informatics engineering

#### Vilniaus College Electronics And Informatics Department

2000 - 2003 Computer programming