

# VOJTECH VRBKA

Swift Contract Developer



## CONTACT

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## TECHNICAL SKILLS

### Languages

Swift (4), Objective-C (3), SQL(3), PHP (3), HTML(3), JavaScript (2), Java (1), Python (1), NodeJS (1)

### Technologies

Reactive programming (ReactiveKit), FP, OOP, TDD, BDD, Unit Tests, UI Tests, Snapshot testing, RESTful web services, Debugging, Profiling

### Libraries

ReactiveKit, Bond, Alamofire, Socket.IO, Standard Swift SDK, Carthage (package manager)

### Databases

CoreData, SQLite, MySQL

### Integrated services

Bitrise CI, Swiftlint, XCode Bots and fastlane (CI), Fabric (Crashlytics), Mixpanel, Instabug, UXCam

## ABOUT ME

I am a London based Senior Swift Contract Developer with seven years experience in developing iOS apps and MSc in Computer Science.

I am a solutions-focused developer with a focus on simple, sleek and user-friendly solutions. iOS apps are my passion - I strive for developing easy to use and thought through apps that deliver a simple interface and enjoyable user experience.

I proficient in managing and delivering full application lifecycle:

- Setting up new projects and choosing the appropriate architectural patterns, using reactive and functional or programming whenever possible (I delivered a lot of projects using OOP);
- Working closely with backend team on designing backend APIs or using existing APIs;
- I always ensure a strong focus on app security - certificate pinning, strong authentication model - and app user privacy (having developed e-commerce apps and banking apps);
- Working closely with UX/UI designers to ensure the design is functional, user-friendly and reflects the company image;
- Using agile development practices such as Scrum, TDD and BDD;
- Testing the code with unit, UI and snapshot tests to ensure the stability of the app;
- Adding continuous integration to automate testing and build distribution;
- Profiling and debugging app to optimise app performance and to track app crashes;
- Publishing apps on the Appstore and making sure all Apple requirements are met.

I am highly committed and hardworking individual that prioritises user experience, simplicity, project delivery and app content.

I am currently looking for iOS Swift Developer Contract role where I can apply and further develop my skills and knowledge.

I can provide excellent references from my previous work experiences.

## EXPERIENCE

### Ostmodern Ltd.

London

04/2017 - 06/2018

### Swift Contract Developer

Ostmodern is a digital agency specialising in video-centred apps and web.

- Optimised the **Olympic Channel** app for iPhone X and shipped couple updates.
- Joined **Formula 1** app team and help them finish and polish the new app.

### Fitzdares Ltd.

London

10/2017 - 04/2018

### Senior Swift Developer

Fitzdares is a private bookmaker for high rollers allowing users to place sport bets.

Greenfield swift project that I led and took ownership of. I chose to use MVVM architecture with reactive and functional programming to create readable, easily expandable and highly testable code.

- Ensured that the classes are decoupled as much as possible;
- Used TDD approach to develop new features and achieved total project test coverage to around 80%;
- Used state machine for navigation between different screens of the app;
- Implemented a continuous integration using Bitrise CI;
  - It automatically runs tests on pull requests and sends results to Github pull request page. Only PRs passing the tests (tests, swift lint, code coverage) can be merged in.
  - Pushes to master/develop branches create a build and send it to iTunes.

The project is not on Appstore and was abandoned due to company restructure.

## LANGUAGES

English (C2)  
Czech (Native)  
European-Portuguese (B1)

## INTERESTS

Self-learning new programming approaches and methodologies  
Cryptocurrencies  
Cycling  
Skiing and Snowboarding  
Travelling (preferably somewhere sunny!)

## REFERENCES

Available upon request

### Firefly Exp. Ltd.

London  
04/2015 – 09/2017

### Senior Swift Developer

Firefly is a travelling App that enables users to plan and track every step of their trips and explore places of interest around them.

Greenfield swift project that I was part of the development team.

- Developed a highly customised user interface with customised animations and use of Core Graphics;
- Used customised maps (Mapbox) to present the user's captured trails and points of interest;
- Supported the designing of the App's architecture, which was MVVM with reactive programming;
- Implemented CI using onsite Mac Mini server:
  - I used Xcode Bots and Fastlane to make nightly builds, run tests and automatically create release builds;
- Managed a great volume of user testing using Mixpanel and UXCam.

### Velocity

London  
09/14 – 04/2015

### Lead iOS Developer

Velocity (previously known as **Uncover** in 2014/15) is a swift app that allows a user to book last-minute reservations at the most desired London's restaurants. The app is highly successful, with hundreds of thousands of downloads and a growing number of loyal users. Velocity was featured multiple times by Apple as Best New App and Best Food App.

- Took ownership of the app when Uncover was in beta version;
- Implemented new features and highly custom animations.
- Managed to successfully put down crashes to 0.02% of sessions;
- Implemented Socket.IO to support live server updates inside

### Zentity a.s.

Prague  
Czech Republic  
09/12 - 08/2014

### iOS Contract Developer

I developed varied projects within banking and e-commerce sectors such as: **Xendpay, Era / CSOB smart-banking, Alza**

2008 - 2014

### Independent Contractor

I was responsible for the whole life application cycle of several projects. I can provide further details of the apps developed during this period if required.

## EDUCATION

2009 - 2014

**Technical University of Ostrava, Czech Republic**  
**Computer Science - Master degree**

2012 - 2013

**University of Aveiro, Portugal**  
**Computer Science – ERASMUS program**

## CERTIFICATIONS

### CompTIA

July 2013 - now

### Mobile App Security+ (iOS Edition)

License 5HZ50MCJRDVEC486  
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