






# Kevin MAAREK

## Software Developer

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Paris, France 

## Employment History



Current position

### > iOS Engineer at RATP Smart Systems

Permanent contract (2022 - now) Paris, France

- Development and maintenance of the Bonjour RATP iOS products and apps.
  - Working with other developers and designers to develop product+tech oriented features for a smart mobility application.
  - Building an iOS app with a complex and modular architecture using the Swift Package Manager.
  - Working in a very high security standard environment.
  - Developing protocols to handle multiple mobility provider in a mobility as a service (MaaS) ecosystem.
- Development of a modern design system.
  - Working hand in hand with a design team to establish a high granularity list of design elements.
  - Create an exhaustive set of design tokens.
  - Development of an iOS package, fed by the design tokens to generate a components library
- Working with scrum and agile standards.
- Working in multidisciplinary teams.

iOS

Swift

Jira

GitLab CI



Current position

### > Teacher at Ada Tech School

Freelance (2021 - now) Paris, France

Ada is the first coding school in Europe with a feminist and inclusive culture, open to all profiles. Their education system is based on the Montessori theory.

- Teaching and supervising students in an inclusive environment.
- Creation of educational content.
- Teaching multiple languages, tools and technologies, from backend to frontend and everything that relates with the software environment.
- Personal guidance over softskill and career management.



### > Software Engineer at Freebox

Permanent contract (2019 - 2022) Paris, France

- Built and successfully deployed a new iOS app.
  - Development of an iOS app from scratch.
  - Creation of a product and tech roadmap.
  - Working with other developers and designers to develop product+tech oriented features around Home security system management and smart home monitoring.
  - Reviewed design requirements and wireframes for technical feasibility.
- Development of Swift Packages for internal use (& redaction of documentation).
  - A UI components packages (UIKit & SwiftUI) shared between apps.

- A network abstraction stack packaged.

- Development and maintenance of 4 existing iOS apps.
- Setup a testing and a continuous integration environment with Jenkins & Fastlane for multiple projects including mobile iOS and Android Apps to improve products quality.
- Development of a NodeJS server side application.
- Working with IOT standards for security systems.
- Research and development over Augmented Reality framework for iOS.

Swift IOT Security ARKit SmartHome Javascript

## leboncoin

### > iOS developer at Leboncoin.fr

Permanent contract (2014 - 2019) Paris, France

- Development and maintenance of the Leboncoin iOS products and apps.
  - Development of unit and UI tests for the Leboncoin iOS app.
  - Development of distributed iOS Swift frameworks and static librairies (for internal and external usage).
  - Modularized the core Leboncoin app's features.
- Setting up quality control, code review, continuous integration and continuous delivery solutions.
  - Working with Gerrit code-review solution for code review process.
  - Created a continous delivery flow with Fastlane.
  - Built a CI environment with Jenkins.
- Conducting user tests and designing user centric features.
- Working with scrum and agile standards.
- Working in multidisciplinary teams.
- Working in a T-Shape environment:
  - Development of web micro service in Go.
  - Development of Android app's features with Kotlin.

iOS App Obj-C Swift UX+UI Jenkins Fastlane Go Gerrit Micro-services Agile TestFlight Gym



### > Developer at Egos Ventures

Internship (2014 - 2014) Atlanta, GA, USA

- Architecture and model design for services and products.
- Sound and image processing.
- iOS and Android apps development (native).
- Development of unit test framework for internal use and development of unit tests for the in-productions solutions.
- Added UI Tests for apps.
- Gobal quality improvements for the in-house software, services and apps.

C/C++ Computer vision Sound Detection Mobile App developoment Swift+iOS Java+Android

### > Java developer at ThinkMyApp

Internship (2013 - 2013) Rueil Malmaison, France

- Development of parsing algorithms loaded on servers that treat big amount of data.
- Development of java software for external use.

Java Swing Debian Perl Big-Data

# Skills 💪

## Programming :

Good expertise level of the most used programming paradigms in Swift : object oriented and protocol oriented.

Strong knowledge in scripting programming and usage of their interpreter.

Good knowledge in functional and procedural.

→ Swift, Objective-C, Java, Javascript, Go, C, Bash, Python.

## Design Patterns :

→ Creational : Singleton

→ Structural : MVC, MVVM, VIPER

→ Behavioral : Observer (RX)

## Frameworks :

Strong knowledge in the Apple ecosystem OS (iOS, iPadOS, WatchOS and tvOS) frameworks

→ CocoaTouch+UIKit/SwiftUI

Good understanding of OpenCV's Image Processing framework

Other GUI frameworks such as SDL for C, PyQt and Tk for Python.

## DBMS :

NoSQL (with MongoDB) and SQL (with MySQL, PostgreSQL).

CoreData for Apple systems.

# Education 🎓

## 2014 : Bachelor Software Architecture

ESGI, Paris 12e

Extra Curriculum : Founder and President of the Coding Dojo Club

## 2012 : Higher Degree Certificate in Software & IT

Saint Michel de Picpus, Saint Mandé

Spécialisation : Software development

## 2011 : Baccalaureate in Social and Economical Sciences

Cours Progress, Paris 3e

# Languages 🌐

🇫🇷 Français : read, write, speak native

🇺🇸 English : read, write, speak

# Anything else ? 😊

- I can play all the Red Hot Chili Peppers riffs with my guitar. 🎸
- I cook a great shakshuka, the famous Mediterranean meal. 🍲