

SIMO MBA STÉPHANE

SENIOR MOBILE DEVELOPER



CONTACT

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INFORMATONS

- Nationality: French
- Date of Birth: August 15, 1994 (30 years old)
- Driver's License: Passenger Vehicle
- Own a vehicle

SKILLS

- Native Mobile Development (Android and iOS)
- Cross-Platform Development (Flutter, KMM)
- Software Architecture (MVVM, Clean Architecture)
- Android TV and Web TV Development
- Backend and API Development (Node.js, AWS, Firebase)
- UX/UI Optimization
- Agile Project Management
- Security Compliance and GDPR
- Digital Marketing

LANGUAGES

- French (Fluent)
- English (Advanced)
- German (Basic)

Over 1012 consecutive days on Duolingo
<https://www.duolingo.com/profile/simobaste>

REFERENCE

Yves Marco
CTO. Netgem Group
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GENERAL OVERVIEW

Experienced mobile developer with over 7 years of expertise in the design, development, and optimization of Android and iOS applications. Capable of leading complex projects and guiding teams in strategic technical missions, particularly in environments with high demands for security, performance, and scalability. Skilled in native environments, cross-platform (Flutter, KMM), Web TV, with strong experience in software architecture, project management, and product marketing.

TECHNICAL SKILLS

Android Mobile Developer

- Languages and Frameworks:** Java and Kotlin, RxJava, and Coroutines
- User Interfaces:** Jetpack Compose, Leanback for Android TV
- Advanced Modules:** Parental Control, Interactive TV Guide, Cloud Gaming for Android TV, Box Certification
- Tools and Integrations:** Firebase (Analytics, Authentication, Cloud Messaging), Dagger
- Partner Management:** Supporting third-party developers, e.g., Elisa project

iOS Mobile Developer

- Languages and Technologies:** Swift, Objective-C, RxSwift, Combine
- Development and Maintenance:** B2C applications in the food industry, price comparison, customer loyalty
- Key Modules:** Geolocation (Mapbox), notifications, backend integrations (PHP, AWS)

Cross-Platform Development

- Flutter:** Deployment of applications integrating Firebase for backend and Google Cloud services.
- Kotlin Multiplatform Mobile (KMM):** Cost-effective development for Android/iOS.
- Development for Tizen and WebOS:** Apps for Samsung and LG TVs with casting SDKs (Samsung SmartView, ConnectSDK).

Backend and API Development

- Node.js:** RESTful API, security with Passport, geolocation
- Ktor and Kotlin:** High-performance real-time microservices
- AWS and Firebase:** Cloud services, Lambda, data synchronization, and authentication

Software Architecture Design

- Architectures:** MVVM, MVP, Clean Architecture
- Performance Optimization:** Memory reduction, data caching, asynchronous tasks, DRY (Don't Repeat Yourself), SOLID principles

Compliance: GDPR and CCPA standards



PROFESSIONAL EXPERIENCE

Netgem Group | Paris (France)

JULY 2021 – PRESENT

Android Developer (Research and Development)

- Maintained various Android applications, including MyVideofutur, Zeop, Post, VIVA, Gaumont, etc.
- Developed advanced Android TV features using Leanback, such as parental controls, TV guides, and cloud gaming.
- Provided client support for Elisa (Finland) in the development of their Android TV boxes.
- Managed a team of 4 Finnish developers for the development of the Premium Plus service on Android TV.
- Integrated casting functionality with Chromecast, Smartview, and ConnectSDK in both Android and iOS applications.
- Developed and deployed TV applications for Tizen and WebOS platforms.
- Implemented a notification system using Firebase Cloud Messaging.
- Established unit testing practices for improved code quality and reliability.
- Led the migration of Java code to Kotlin for better performance and maintainability.
- Migrated user interfaces to Jetpack Compose for a more modern and flexible UI design.

ESENS CONSULTING | Paris (France)

SEPTEMBER 2019 – JULY 2021

Mobile Developer Engineer

- Developed a recruitment application using Flutter for both iOS and Android.
- Integrated backend services with Firebase for data synchronization and authentication.
- Created video content on YouTube, including tutorials on iOS mobile development.

IN Group | Vélizy-Villacoublay (France)

DECEMBER 2019 – JULY 2020

Consultant Android Mobile Developer

- Developed two border control applications with a focus on performance and security.
- Led UI/UX design efforts, improving the ergonomics and user experience of the applications.
- Managed project tasks, including estimating development workload and planning using JIRA.
- Ensured proper task tracking and documentation sharing for efficient team collaboration.

Ezeeworld | Neuilly-sur-Seine (France)

JULY 2018 – AUGUST 2019

iOS Mobile Developer

- Development of applications for various clients (Areas Elixir, Wiiiish, Bon&Brut, QELMC)

VTaxi | Ris-Orangis (France)

APRIL 2017 – JUNE 2018

iOS and Backend Developer

- Creation of an Uber-like taxi app, backend with Node.js and Mapbox

Bfan Sports | Paris (France)

NOVEMBER 2016 – JUNE 2017

iOS and AWS Developer

- PHP module on AWS for ranking handball teams

Bocal - IONIS Education Group | Kremlin-Bicêtre (France)

JULY 2015 – NOVEMBER 2016

Technical Assistant and Intern

- Managed the IT infrastructure for 22 institutions within the Ionis Group.
- Taught third-year students about development concepts in C and C++.
- Supervised and corrected a JAVA project for master's degree students.



PROJECT MANAGEMENT AND SOFT SKILLS

- **Agile Methodology:** Scrum and Kanban with JIRA and Trello
- **Communication and Knowledge Transfer:** Training junior developers, supporting partners
- **UX/UI Design:** Knowledge in Figma and Adobe XD
- **Product Marketing and Launch:** Launch strategies with Google Ads, analytics with Firebase and Google Analytics
- **Office Tools:** Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Google Docs, Google Sheets



PROJECTS AND INNOVATIONS

Technology Watch

Monitoring advancements in AI, particularly image recognition and embedded machine learning (TensorFlow, Lite, Core ML)

Development and launch of AI QuizWiz

FEBRUARY 2024 - PRESENT

Personal Project (Available on the Google Play Store)

AI QuizWiz, an educational quiz app developed independently

- **Project Management and Tools:** Tracking with Trello
- **Marketing and Launch:** Google Ads campaign for acquisition
- **Technologies:** Firebase (analytics, data management), Kotlin, Hilt, Jetpack Compose, Coroutines, Material Design Components
- **User Engagement:** Personalized notifications, competition and progress features



EDUCATION

Software Engineering: Expert in new information and communication technologies

2017 - 2019

EPITECH | Paris (France)

Master - Game & Mobile

2017 - 2018

Keimyung University | Deagu (Corée du sud)

Bachelor's in Software Development

2014 - 2017

EPITECH | Paris (France)