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 (Native)
- English (B2 Level)
- German (Basic knowledge)

Over **1040** 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 designing, developing, and optimizing Android and iOS applications. Skilled in leading complex projects and supporting teams in strategic technical missions, particularly in high-security, performance, and scalability environments. Proficient in native development, cross-platform (Flutter, KMM), Web TV, software architecture, project management, and product marketing.

TECHNICAL SKILLS

Android Mobile Developer

- **Languages and Frameworks:** Java and Kotlin, RxJava, and Coroutines
- **User Interfaces:** XML, Jetpack Compose, Leanback for Android TV
- **Component Lifecycle Management:** Activity, Fragment, ViewModel
- **Multithreading & Concurrency:** Coroutines, RxJava
- **Architecture:** MVVM, MVP, Clean Architecture
- **Jetpack Components:** Navigation, LiveData, Room, WorkManager
- **Local Databases:** Room, SQLite, DataStore
- **APIs:** Retrofit & OKHttp
- **Tools & Integrations:** Firebase (Analytics, Crashlytics, Remote Config, Authentication, Cloud Messaging), Hilt / Dagger
- **Performance Optimization:** Profiling, Memory leaks, ANR, DRY principles, SOLID principles
- **Testing:** JUnit, MockK, Espresso, Firebase TestLab

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

Application Deployment & Maintenance

- **Google Play Console:** Publishing, version management, Play Integrity
- **CI/CD Pipeline:** GitHub Actions, GitLab CI, Jenkins
- Feature Flags & Progressive Updates

PROFESSIONAL EXPERIENCE

Netgem Group | Paris (France)
Android Developer (Research and Development)

JULY 2021 – PRESENT

- Development of Android TV applications and launchers with Leanback: video streaming, parental controls, TV guide, cloud gaming, set-top box certification
- Support for Elisa (Finland) in developing their Android TV boxes
- Managed a team of 4 Finnish developers for the Premium Plus service on Android TV
- Chromecast, SmartView, and ConnectSDK casting integration for Android & iOS apps
- Developed a universal discovery and control protocol for Samsung TVs (TizenOS), LG TVs (WebOS), Android TV, and Linux-based TV boxes
- Deployment of Tizen and WebOS TV applications
- Implemented a notification system with 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)
Mobile Developer Engineer

SEPTEMBER 2019 – JULY 2021

- 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)
Consultant Android Mobile Developer

DECEMBER 2019 – JULY 2020

- 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)
iOS Mobile Developer

JULY 2018 – AUGUST 2019

- Development of applications for various clients (Areas Elior, Wiiish, Bon&Brut, QELMC)

VTaxi | Ris-Orangis (France)
iOS and Backend Developer

APRIL 2017 – JUNE 2018

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

Bfan Sports | Paris (France)
iOS and AWS Developer

NOVEMBER 2016 – JUNE 2017

- PHP module on AWS for ranking handball teams

Bocal - IONIS Education Group | Kemlin Bicêtre (France)
Technical Assistant and Intern

JULY 2015 – NOVEMBER 2016

- 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)