Jonas SCHMID

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Current goal

My main interest is **Mobile development**. I currently work with **iOS** and **Android**, both using native code or Xamarin. I always try to find the **best tool for the job**, but I also like to tinker with **cutting-edge technologies**.

Professional experience

Liip   2016 – current

Part of the Mobile Team. Shipping apps in collaboration with mobile and backend engineers using the Scrum methodology.

FAIRTIQ, Switzerland's most simple public transportation ticket: participating in building the iOS and Android apps with Xamarin using the MVVM paradigm. Built the Apple Watch app from scratch.

Multiple apps: leading projects on the mobile technical side. Building iOS and Android apps with in Swift/Kotlin or Xamarin, using techniques such as MVVM, Coordinators, Dependency Injection, Rx.

QA evangelism: helping other integrating good Quality Assurance practices into their project. Putting a CI/CD system using Gitlab CI, Fastlane. Improving overall code quality by using modern architecture patterns.

Utribo   2013 – 2016

Building an iOS app in Swift using the MVVM paradigm and ReactiveCocoa. Database synchronization with Couchbase Lite. Live chat with XMPP. Tests using Quick and Nimble. Automation and Continuous Integration with CircleCI, Fastlane and Carthage. Supervision and code review of a coworker.

Previous project: building an iOS app by myself from the ground up using CoreData (MagicalRecord, FMDB), AFNetworking, Mantle, Masonry, PromiseKit, OCMock, CocoaPods and the Salesforce REST API.

Elca Informatique   2012 – 2013

Android application paired with a bluetooth barcode scanner, PoS terminal, live synchronization, used by hundreds of workers. Improved the C# backend and website.

Side projects: Security audit of an Android banking application. Two-factor authentication application (Elcard). iOS proof-of-concept application for a European administration.

Freelancer   2007 – 2012

Epsitec	Various projects using C#, SOAP, WCF, PHP Paypal integration, ExtJS
Yverdon-les-Bains	Website using PHP 5, MySQL, jQuery, AJAX, Google Maps, template system, localization
Android Platform	Paid and free Android applications distributed on the Google Play Store

Logitech, CA, USA   2011 – 2012

Master thesis: Media player application for Google TV controlling the entire entertainment system. Data is gathered from the application usage and handled in order to earn knowledge about the HDMI-CEC technology.

Thomson Research Center, NJ, USA   **2008**

Bachelor thesis: connected social media center using web technologies.

Education

Swiss Federal Institute of Technology, Lausanne (EPFL)   **2009 – 2012**

Master of Science in Computer Science, "Ingénieur informaticien diplômé EPFL".
Master thesis grade: 6 / 6

University of Applied Sciences of Western Switzerland (HEIG-VD)   **2005 – 2009**

Software Engineering Diploma, "Ingénieur HES en Informatique – Orientation Logiciel".
Bachelor thesis grade: 5.5 / 6

Publications

Man in the (Android) Mobile – MISC Magazine   **2014**

Presentation of how to misuse of the Android public API in order to deceive the user (installation of unwanted app, click-jacking, etc.) without requiring any special exploit. Written in collaboration with two Elca colleagues.

Recent talks

Meet Kotlin – or why I will never go back to Java   **2018**

At Liip, we started using Kotlin exclusively for new Android developments. In this talk I explain why and show how it helped us get more productive. http://liip.to/kotlintalk

Introduction to Rx   **2018**

Introduction of Rx and its paradigms to the mobile development team at Liip.

Languages

French	Mother tongue
English	Fluent reading, writing and speaking. C1 level certification
German	School level

Interests

Communities: github.com/jschmid - stackoverflow.com/users/183665
Attending to meetups from Mobile Romandie Beer and JavaScript Romandie.
Sport: practice of badminton, squash, motorbike and snowboard on a regular basis.
Member of students associations: helping new students, organizing events, EPFL (2011), HEIG-VD (2008).