

Sylvain Galand

LEAD ANDROID ENGINEER

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Looking for an Android Engineer position.

Summary

Current Android Lead Engineer at Genymobile. 10+ years experience around Android technologies. Interested in working on an Android Application used by millions of people and pushing the technologies and productivity to the best.

Education

IMT Atlantique (former Télécom Bretagne)

Brest, France

M.S. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2005 - Feb. 2009

- Specialization in Network and Software development.

Engineering College of Copenhagen

Copenhagen, Denmark

EUROPEAN PROJECT SEMESTER

Jan. 2007 - Jun. 2007

- Development of an hard drive disk using flash memory with a multicultural team.

Skills

Programming Java, Qt, C/C++

Java Android SDK, JNI, Retrofit, Rx, AutoValue

Tools Android Studio, Gradle, jadx, Linux

Languages French, English

Experience

Genymobile Inc.

San Francisco, U.S.A.

LEAD ANDROID SOFTWARE ENGINEER

Apr. 2015 - PRESENT

Genykiosk - Light MDM

1 year+

Lead a team up to 4 Android engineers

- Designed and developed the architecture of the application
- Improved the CI by using emulators in the cloud to run tests
- Introduced RxJava, AutoValue and various framework to improve productivity
- Technologies: Android, Android for Work, Device administrator, RxJava, AutoValue, Retrofit.

Genydeploy - Automatic deployment and enrollment solution

1 year

- Improve Android agent used to do setups on the device
- Add test and quality metrics for the Android agent
- Add features in the desktop software
- Technologies: Android, adb, Qt, SonarQube.

Genymobile

ANDROID SOFTWARE ENGINEER

Paris, France

May 2012 - Mar. 2015

Testapic - Record user testing remotely

4 months

Developed a solution to record the screen via a native agent

- Developed a system to merge sound and videos
- Integrated with the existing backend
- Technologies: Android NDK, Retrofit.

Orange - Libon (voip solution)

4 months

- Implemented custom fonts support everywhere
- Added tests and continuous integration support
- Added the integration on an analytic solution
- Technologies: Android, maven, capptain.

BPCE - Media Daydream

1 month

- Developed a daydream displaying multiple media formats (PDFs, JPEGs, Videos...)
- Technologies: Android.

Novoda - Tesco Hudl 2 - London, U.K.

4 months

- Adapted the AOSP Launcher to fit designers vision
- Developed interactive cards (à la Google Now)
- Technologies: Android, AOSP Launcher2, Jenkins.

L'Équipe - Android application of the most famous sport media in France

4 months

- Moved the build system to gradle
- Adapted the UI and code to have a responsive design (smartphones, tablets...)
- Improved code quality
- Technologies: Android, Gradle, SVN.

Follow Analytics - Analytic SDK

2 months

- Designed and developed from scratch an Analytic SDK for Android
- Technologies: Android, Gradle, json.

Genymobile - Genymotion

3 months

- Developed a screencast recording and screenshot from player feature
- Developed a drag'n drop feature
- Developed a flash archive in the system feature
- Technologies: Qt, Android.

Thales Communications and Security - Teopad

8 months

- Managed a team up to 4 engineers
- Handled the communication with the customer
- Created a secure and walled runtime environment for professional applications
- Modified the Android framework, Android system libraries and Dalvik
- Technologies: Android, Java, JNI, C/C++, bionic.

Legrand - Domotic Android application via OpenWebNet

3 months

- Set up a replicable Qt development environnement with ARM cross-compilation
- Developed a Qt application running on a F454
- Retrieved all the data from the electric network via OpenWebNet
- Developed a polished and dynamic UI with reusable custom views
- Designed a module API for the app: Quizz, games...
- Technologies: Android, Custom Views, Qt, ARM toolchain, Linux

Linkcare Services - Developement of an Android app to help Alzheimer patients and their families

2 months

- Reported patient's location to a service via XMPP
- Sent a notification if the patient is leaving a specific area
- Technologies: Android, Locations, XMPP.

Voxmobili/OnMobile

MOBILE SOFTWARE ENGINEER

Paris, France

Feb. 2011 - Apr. 2012

- Developed Phonebook 2.0 on Blackberry OS
- Developed a SOAP library for Android
- Developed Android user interfaces
- Maintained all the synchronization clients from various international providers on a huge amount of different devices
- Technologies: Android, J2ME, SyncML, SOAP.

Telequid

SOFTWARE ENGINEER

Paris, France

Mar. 2009 - Jan. 2011

- Designed and developed innovative services for mobile (image recognition, Video "Post-it")
- Developed the Android and iPhone apps.
- Developed the web services, front end and backend.
- Technologies: Android, Objective-C, Tomcat, ffmpeg, vlc, OpenCV, PostgreSQL.

Writing

Mirror: Easy Reflection for Java and Android

Medium.com

TECHNICAL WRITER

Apr. 2017

- Introduction to Mirror a Reflexion library based on annotations developed by myself.
- <https://medium.com/genymobile/mirror-easy-reflection-for-java-and-android-923f54b1f165>

How to lock cloud Android virtual devices into kiosk mode

Medium.com

TECHNICAL WRITER

Mar. 2017

- Tutorial to run your app locked in a web browser using Genymotion Cloud.
- <https://medium.com/genymobile/how-to-lock-cloud-android-virtual-devices-into-kiosk-mode-7e6cb96120ba>

Decompilation = Hack and protect your apps

Programmez! - France

TECHNICAL WRITER (FRENCH)

Jul. 2015

- Show how easy it is to decompile an Android application and modify it and how to protect yourself against that.

Renderscript

GNU Linux Magazine - France

TECHNICAL WRITER (FRENCH)

Jul. 2012

- Explained what is Renderscript and how to use it via few examples.

Presentation

Hack and protect your app

DECOMPILATION JAVA AND ANDROID AND HOW TO PROTECT YOURSELF

Mar. 2013 - Dec. 2015

- GDG Chicago - Chicago - Dec. 2015
- Droidcon Montreal - Montreal - Avr. 2015
- Droidcon Eastern Europe - Bucharest - Oct. 2013
- BeMyApp - Paris - Jul. 2013
- Droidcon Paris - Paris - Jun. 2013
- DevOxx France - Paris - Mar. 2013

Android testing and Continuous Integration

TESTS, GRADLE, JENKINS AND GENYMOTION INTEGRATION

Jan. 2015 - Dec. 2015

- GDG Chicago - Chicago - Dec. 2015
- GDG Austin - Austin - Oct. 2015
- Devfest Paris - Paris - Jan. 2015