

Omar Mohamed

SENIOR SOFTWARE ENGINEER WITH LEADING EXPERIENCE

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SUMMARY

Worked in a professional context on the Android Framework since 2012, moving and adapting myself to the most varied situations, having the chance to learn and get the job done in Australia, Spain, Italy, US, Germany and in many different kinds of companies and teams: Big Consulting Companies, Startups and International Companies, making great apps used by millions of users.

TECHNICAL COMPETENCIES

- **Libraries** Picasso, RxJava2, RxAndroid, Dagger2, ButterKnife, Volley, Retrofit, Architecture Components, Espresso, Mockito, etc.
- **Languages** Java, Kotlin, Groovy, SQL/T-SQL, C/C++, C#, JavaScript, Bash, HTML5, CSS3, XML/XAML, PHP
- **Architectures and Protocols** REST, SOAP
- **Cross-Platforms Mobile Frameworks** Xamarin
- **Project Automation Tools** Gradle, Ant, Maven
- **Deep Linking** Branch.io Deep Linking, Firebase Dynamic Links
- **Revision Control** Git, Git Flow, SVN
- **Continuous Integration, Monitoring Tools and Analytics** Jenkins, Graphana, Graphite, Firebase, Fabric Crashlytics
- **Testing** JUnit, Robolectric, Espresso
- **Software Design Patterns** MVC, MVP, MVVM, GOF, GRASP
- **RDBMS** MySQL, SQLite, MS SQL Server 2008/2014
- **NoSQL DBMS** CouchDB, Firebase Real-time Database
- **Web Frameworks** Yii, Twitter Bootstrap, Spring Boot

WORK EXPERIENCE

Android Developer Lead at Proximity Team - Contractor

Payback GmbH, part of the American Express Group

Cologne, Germany

start: 01/06/2018

end: ->

Working on the Payback Proximity platform leading the development of the Android SDK embedded in the Payback app, written completely in Kotlin and developed using technologies like Geofencing, Beacon Detection, GPS localization and WIFI harvesting in order to localize customers and target them with the right offer at right time.

www.payback.net

Senior Android Engineer - Contractor

REWE Digital GmbH

Cologne, Germany

start: 20/01/2018

end: 31/05/2018

Working within a team of 6 Senior Android Engineers, our main goal is to daily improve and make great the REWE E-Commerce Application using the latest cutting-edge technologies, surrounded by a great agile environment together with Product Owners and Scrum Masters, creating new features, making bug fixes, taking care of the Continuous Integration System and the Analytics.

www.rewe-digital.com - www.rewe.de

LinkedIn <http://bit.ly/omlinkedin>

AngelList <http://bit.ly/alomd>

GitHub <http://bit.ly/omgithub>

StackOverFlow <http://bit.ly/omdso>

CORE COMPETENCIES

- Project Management and Communication Tools as JIRA, Confluence, Asana, Slack, Lync
- Leadership experience
- Agile Project Management (SCRUM, KANBAN)
- Test Driven Development (Unit, Component and UI Testing)
- Grammars and Language creation
- Multithreaded Programming
- Implementation of efficient algorithms and analysis of their temporal and space complexity
- Advanced Data Structures architecture knowledge (Heaps, Binary Search Trees, Graphs, Union-Find structures, Priority Queues, etc.)

EDUCATION

Bachelor of Science in Computer Science

University of Turin - Turin

CERTIFICATIONS

TOEFL English Test

ETS

Intensive English Program

American University in Cairo

PROJECTS

Payback Proximity SDK

Role: Lead Android Engineer

Kind of work: Company Project - Payback SDK integrated into the Payback app able to provide proximity functionalities with geofencing, beacons, gps and wifi.

<http://bit.ly/paybackand>

Shop-Apotheke.com

Role: Lead Android Engineer

Kind of work: Company Project - RedTecLab Re-architecting Shop-Apotheke apps divided by country into a single, re-designed one, integrating suites of unit and functional tests in order to improve the Google Playstore ratings and the user satisfaction.

<http://bit.ly/shopapothekecom>

Lead Android Engineer - Contractor

RedTecLab GmbH - Shop-Apotheke.com

Cologne - Düsseldorf, Germany (Partially Remote Role)

start: 10/07/2017

end: 10/12/2017

- Leading a small Android team of 4 people;
- Leading a cross-functional team (QA, Frontend, Backend, Mobile) of 18 people with the goal of implementing a new CI/CD system;
- Elaborating the re-architecting and refactoring of the company app;
- Mentoring and formation activities offered to junior colleagues;
- Android hiring manager activities and hiring consultant for other teams;
- Restructuring of the team plans in terms of budget, tools adopted, project flows, agile practices utilized.

(www.redteclab.com - www.shop-apotheke-europe.com)

Senior Android Developer Contractor

HERE Technologies

Berlin - Cologne, Germany (Partially Remote Role)

start: 26/09/2016

end: 31/06/2017

Working as Meelogic Consulting AG consultant at the client office, HERE Technologies, as Senior Android Developer, hands-on the Here WeGo mobile app used by millions of people, taking care of issue tracking and bug fixing, development of new features, code reviews, pair programming, CI Monitoring, all in an Agile Kanban workflow.

(www.here.com - <http://bit.ly/wegohereand>)

Freelance Android Developer

Self-employed - Android Development

On-site and/or Remote in different countries

start: 03/2012

end: 09/2016

Examples:

- **Android Development at AMP Bank** (2016)

Worked at AMP Bank through OpenWealth, a consultancy company based in Sydney, Australia (On-site Role).

I successfully helped the existing team to complete and launch to market the Client Android Banking Application;

(<https://www.amp.com.au/>)

- **Android Development at 101** (2016)

101 is An education-focused company based in New York City.

I successfully worked remotely on their Android App prototype from the ground-up used to finding new investments rounds;

(<https://www.101edu.co/>)

- **Android Development at FCA** (2015)

Worked at FCA (Fiat Chrysler Automobiles) through an Italian consultancy company (Aesys) on an internal project based in Turin, Italy.

I successfully built from the group-up an internal application used by the FCA employees to control the production status;

(<https://www.fcagroup.com>)

Junior Android Developer

TripActions

Mountain View, California, US (Remote Role)

start: 18/11/2014

end: 31/01/2015

(<http://tripactions.com>)

Designing, analyzing and implementing from Italy the alpha version of a business traveling companion Android application.

HERE WeGo - City Navigation

Role: Android Development Team Member

Kind of work: Company Project - HERE

My responsibilities are finding and fix bugs in the codebase using Atlassian's Jira and Confluence as Project Management and Bug Tracking tools, develop new features, contribute to team planning, code review peers code with Gerrit, Pair Programming, monitor CI Jobs with Jenkins, providing the best possible experience to tens of millions of users.

(<http://bit.ly/wegohereand>)

Chem101

Role: Android Developer - Remote

Kind of work: Company Project - 101

Freelance support building custom UI and working on the basic structure of the application, that provides tools for chemistry instructors to create engaging in-class and homework assignments around these modules and receive intelligent, real-time feedback on student performance. The first module of Chem101 will be piloted during Fall 2016 in over 30 U.S. colleges/universities including MIT, Carnegie Mellon University, and Columbia University.

(<http://www.101edu.co/>)

My AMP

Role: Android Development Team Member

Kind of work: Company Project - OpenWealth

A personal banking Android app that permits to the AMP clients to manage their money (setting saving goals, moving amounts between accounts, etc.). Created trying to reproduce the "look&feel" of the existing iOS App implementing custom views, the project was developed in an Agile environment working closely with the backend team, interacting with the REST web server through a framework.

(<http://bit.ly/1Tq4J98>)

TripActions

Role: Main Android Developer - Remote

Kind of work: Company Project - TripActions

Android app created with Material Design guidelines as a business traveling companion

(<http://tripactions.com/>)

Eversnap

Role: Android Development Team Member

Kind of work: Company Project - Eversnap

Photo sharing Android app that allows the user to create collaborative albums online. In the project, we used RESTful Company APIs, Facebook, Google and Amazon APIs, Picasso Library to manage the Gallery, Robolectric and Android Instrumentation for Testing, etc.

(<http://bit.ly/1txfyLw>)