

# Moj Abubakr

Junior Android Developer / London / dev.moj@gmail.com / GitHub / LinkedIn / 2+ years coding experience / Last Updated: 25th April 2016

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## Skills

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- Java/C++/**Android SDK, libraries and frameworks**/Android Studio/Gradle
  - **Git**/UI/UX/Material Design/Animation/**continuous integration**/Trello
  - Adobe Photoshop/logo and asset creation
  - Adobe Premiere/film-making/photography
  - **Agile/TDD**/Practical experience of the **development lifecycle**; prototyping/wireframing to publishing/shipping.
  - Currently learning Agera, Dagger, RxJava, Retrofit, Kotlin, Wear, Architecture (Model View Controller/Presenter/ViewModel).
  - Created **several C++ applications**; these include a simplified airline booking system, Morse code translator and a Sieve Of Eratosthenes.
  - Created a **GUI Java application** to draw an Archimedean Spiral with user given variables.
  - Created a **Java application** which simulates several CPU scheduling algorithms such as FCFS, SJF and Round-Robin.
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## Projects

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**Will It Rain?** - Find out when it will rain near you. Get information for every minute of the next hour, or every hour for the next 7 days; Powered by Dark Sky.

- Uses the **Smart Location Library** to streamline access to the Android location services API.
- Consumes **JSON** from the **forecast.io RESTful API** to display relevant data based on a given geographic coordinate.
- Built using the **Test Driven Development** methodology (TDD); tools used include **JUnit 4**, **Espresso** and **Mockito**.



**PAD - Public Anonymous Diary.** - The PAD is a social platform for everyone. Share your stories with the world and be part of the global stream. No logins to mess with, so it's easy to get started in seconds.

- Implements a complex **RecyclerView** to display user generated content with the inclusion of images, GIFs, text and buttons.
- Stores configuration and user data in the **cloud** using the **Parse** Backend as a Service (BaaS).
- Consumes several API's to enhance the application. These include **Giphy**, **Microsoft Translator API** and **Random Famous Quotes**.



**TIIC - Easy Buy. Easy Sell.** - The local buying and selling platform. Sell & buy locally - No login required!

- Implements real-time chat using the **Sinch** API to handle backend publishing/subscribing.
  - Leverages Facebook's image loading library **Fresco** to display images with increased performance and lower memory usage.
  - Features include image/camera capture, location services, sharing/liking content and geofenced results fetching.
  - This application formed the basis for my **final year project** at uni as well as inaugurating as my introduction into Android development.
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## Education

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**London South Bank University** | **BEng Computer Systems & Networks Engineering** | 2013 to 2016

| Expected a 2:1 or higher.

**Lambeth College - Vauxhall** | **Level 3 Access to Higher Education - Electrical & Electronic Engineering** | 2012 to 2013

| Achieved 16 Distinctions (57 Level 3 Credits) within various Math and Electronic modules.