



# John Oliver Magdaleno

## Software Engineer

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### Professional Attributes

- Offering **9+ years of experience** in systems development.
- **Works effectively on Android applications**, can develop backend systems and manage databases.
- Deployed for onsite development and support:  
**UAE, Singapore, Hong Kong, Philippines, Nigeria, and Uganda.**

### Key Skills

Android	★★★★★★★★★
Java	★★★★★★★★★
Kotlin	★★★★★★★★★
Oracle 11g	★★★★★★★★★
Linux	★★★★★★★★★
PHP	★★★★★★★

### Technology Summary

**Android:** Java, Kotlin, Jetpack (Lifecycle, LiveData, DataBinding, Room), SQLite, Realm, RxJava, Dagger, Retrofit, OkHttp, Firebase, Proguard, DexGuard, Gradle

**Android Testing:** JUnit, Mockito, Espresso

**Android UI Design & Prototyping:** Invision

**Architecture:** MVVM, MVP, MVC

**Backend:** Java, Unix (RHEL & Ubuntu), Oracle 11g, AWS

**Web:** PHP, JavaScript, CodeIgniter, Yii, Ajax, JQuery, WAMP, MySQL

**Other Tools:** Git, Mercurial, SVN, Jira, Confluence

**Mobile OS:** Android, BlackBerry, Symbian OS (Nokia)

**External Mobile Devices:** fingerprint scanner, mobile POS, bluetooth printer, beacon, Google Glass, NFC

### Education

<i>Master of Information Systems (MIS)</i> University of the Philippines, Open University	2016 – 2021
<i>Bachelor of Science in Information Technology (BSIT)</i> Polytechnic University of the Philippines, Quezon City Best System of the Year (2012), Jr. Programmer of the Year (2012), Student IT Instructor (2012)	2008 – 2012

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**High School**

2004 – 2008

San Jose National High School

Grub Master Scout – BSP (2007), Chairman of Clean and Green Committee – SSG (2007), Best in Microsoft PowerPoint – IT Literacy Training Program held at Ateneo de Manila University (2007)

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**Experience****THALES (GEMALTO)**

Feb 2019 – Present

**Senior Android Developer**

Develop, maintain and support application programs for Android systems using Java, Kotlin and related tools. Ensures that security protocols are implemented in the applications.

- Communicates the features or project updates to the client and stakeholders.
- Attended trainings to improve software security skills, e.g. secure programming, cryptography, etc.
- Volunteered as one of the software security officers who ensures that a project followed the necessary steps to make its software system secured.
- Deployed to Singapore for onsite development and support.
- Transferred office internally to Czech Republic after working for 3 years in Philippines.

**TENTEN LTD.**

Jul 2017 – Sep 2018

**Mobile Engineer**

Developed new features, improved old features, bug fixing, and supporting Android applications of the company. Includes reviewing of requirements every sprint planning. Discussing the development plan with iOS team to ensure that the implementation is almost identical on both iOS and Android platforms.

**Selected projects:**

- **Green+ app - for Suntory**

A mobile application that allow users to buy drinks from a vending machine, by connecting to a beacon.

- Developed new features, improved old features, bug fixing, and supporting the Android app. Technology used are: Java, Kotlin, Realm, RxJava, Dagger, JUnit, Retrofit and OkHttp.
- Implemented custom views.
- Self-studied iOS programming, and did some minor bug fixing on iOS application.

**TELCOM LIVE CONTENT INC.**

May 2012 – Jan 2017

**Senior Software Engineer**

Develop, maintain and support application programs for mobile, web and backend (server application, database) systems using Java and related tools. Manage all phases of

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application design – requirements gathering, prototyping, coding, testing, integration, and deployment.

- Self-studied Android programming then worked as the main Android programmer of the company.
- Introduced methodologies that made development and debugging faster and easier.
- Trained junior developers in Android programming.
- Passed rigorous mobile POS certifications.
- Deployed to different countries for onsite development and support: (1) United Arab Emirates, (2) HongKong, (3) Nigeria, and (4) Uganda.

#### Selected projects:

- **M-Sente (Mobile Commerce) - for Uganda Telecom**

A mobile commerce suite that enables customer to execute Mobile Financial Services (MFS) transactions across multiple platforms.



- Served as one of the technical team leader.
- Deployed overseas to Uganda for onsite requirements gathering, development, installation, and support.
- Developed the core program of the Android app, including application of new architecture Model-View-Presenter (MVP).
- Installed Java server applications on a Linux-environment (RHEL) with Oracle 11g database. Furthermore, integrated third party APIs, such as banks and merchants, to allow banking and payment transactions.
- Troubleshoots network issues and connection to telecommunication systems e.g. SMSC and USSD.
- Created report's database queries on Oracle 11g.
- <https://play.google.com/store/apps/details?id=com.utl.mcom.msente>

- **Mobile Cashier (mPOS) - for Etisalat**

An Android mobile POS (mPOS) application that connects to an external bluetooth card-reader and captures encrypted card details from debit or credit cards.



- Developed from scratch using Java.
- Ensured compliance with industry standards for card payment, resulting to passing rigorous certification of PCI DSS (Payment Card Industry Data Security Standard), M-TIP (MasterCard Terminal Integration Process) and ADVT (Visa's Acquirer Device Validation Toolkit) on various banks across Middle-East Asia and Africa.
- Coordinated with security specialists, compliance teams, project managers and POS vendor throughout the development life cycle.
- Self-studied EMV, ISO 8583, and POS certifications despite the very limited resources in the internet.
- Deployed overseas, to United Arab Emirates, Nigeria and Hong Kong; for onsite development, certification, and support.
- Video uploaded by MasterCard: <https://youtu.be/mxg517KCXMM?t=1m57s>

- **Flous - for Etisalat**

A mobile commerce suite that enables customer to execute Mobile Financial Services (MFS) transactions across multiple platforms.



- Developed mobile applications for BlackBerry and Symbian OS. These applications were developed from scratch using J2ME, and supports different screen sizes.

- Handled the android application, adding new features and fixing bugs.
- Handled server applications using Java, installed in a Linux-environment (RHEL) with Oracle 11g database. Furthermore, integrated third party APIs, such as banks and merchants, to allow banking and payment transactions.
- Deployed overseas, to Nigeria and United Arab Emirates, for onsite development and support.
- <https://www.finextra.com/news/announcement.aspx?pressreleaseid=46275>

## COMMISSION ON AUDIT

Sep 2011 – Feb 2012

### Intern

Served as a member of Accounting System team, assisting in the design and development of web UI and custom controls in Yii framework.

- Offered a full-time programmer position following commended performance in initial intern role.
- Trained the team with introductory lessons of Yii framework.

## Speaking Engagements

### *Embracing the Modern Revolution of Technology: Android*

Sep 2016

Taught introduction to Android programming to a class of 2<sup>nd</sup> year college students of Centro Escolar University (CEU) Makati, Philippines.

### *Introduction to Programming with Android*

Aug 2016

As a member of Philippine Android Developers Community (PADC), I taught introduction to Android programming to a class of 4<sup>th</sup> year college students of St. Paul University Quezon City (SPUQC), Philippines.

### *REST Web Service*

Feb 2016

Taught introduction to Web Service to 4<sup>th</sup> year college students of Centro Escolar University (CEU) Makati, Philippines.