

# Lou Morda

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**Github:** <https://github.com/lmorda>

**StackOverflow:** <http://stackoverflow.com/users/914587/lou-morda>

**LinkedIn:** [Lou Morda](#)

## **Google Play Apps**

TeleCommunication Systems: [RelyMD](#), [CAREnQ](#), [Iowa eClinic](#)

QuickPlay Media: [Telus Optik on the go](#), [Verizon IndyCar](#)

## **Internal Apps**

Engility: SNAP Android Link-16 Joint Tactical Radio App

Welk Resorts Group: AMS Sales Lead App

SAIC: U.S. Army JTRS HMS Handheld Radio App

## **Technical Skills**

- Linux: BusyBox, Ubuntu, chroot, rooting phones, bash scripting, iptables
- Tools: Android Studio, IntelliJ, Gradle, Github, git, JIRA, Bitbucket, Confluence
- Languages: Native Android, Java, XML, HTML5, Groovy, JSON, JavaScript, PHP
- Frameworks: Retrofit, OkHttp, Jackson, Gson, Butterknife, Material Design, Spring, Mockito
- Protocols: REST, WebSocket, SSE, Reactor, STOMP

## **EMPLOYMENT HISTORY**

### **Engility**

**Senior Software Engineer**

**September 2016 - Present**

- Responsible for developing the first Android app for the JRE platform.
- Designed UI for Android and Java FX apps. Work with JavaFX team to match Android UI identically.
- Material Design guidelines are followed for all UI design efforts.
- Android app interfaces with a Spring Boot API server using Retrofit / Jackson REST API framework.
- STOMP and GreenRobot EventBus are used for Java WebSocket connection.
- Latest frameworks are used throughout including Retrofit, Jackson, Mockito, Material Design, etc.
- Developed procedure to root phone and install full version of Java 8 on an Android phone.
- Linux chroot container running on phone runs the legacy and Spring API Java servers.
- Also assisted in development of Raspberry Pi embedded device to run Spring Boot server.
- Server on phone creates connectivity with Link-16 Platform-J terminals and JREAP-C TCP/IP links
- Continuously collaborate with JavaFX UI team, Java Server team, and test group.
- App utilizes the Google todo MVP architecture to decouple the model, view, and presenters.
- Currently mentoring one junior level developer.

### **TeleCommunication Systems**

**Senior Software Engineer**

**March 2015 – September 2016**

- Sole Android Developer responsible for implementing all new features and maintaining previous releases by myself for the VirtuMedix platform.
- Collaborate daily with an iOS developer, web client team, server team, product managers, and QA testers in a Scrum environment. Daily stand up meetings and JIRA tickets are used for collaboration.
- Re-wrote the VirtuMedix platform. Replaced POJO code with Retrofit, OkHttp, and Jackson RESTful web service frameworks. Used Otto to replace the old native Android Broadcast event bus. App re-write eliminated 50% of unnecessary code.
- VirtuMedix telemedicine platform allows patients to view and update their medical records stored on a MongoDB database which can be accessed by the Android client with RESTful web services. Consultation price is paid through Stripe, live video consults are done with WebRTC /OpenTok, and asynchronous communication is achieved with Google Cloud Messenger and also WebSocket.
- App supports devices ranging from Android 4.1 JellyBean to Android 6.0 Marshmallow, including phones, tweeners, seven inch tablets, and ten inch tablets.
- Material Design Support Library has been added for a more modern, animated look and feel.
- Developed Android Studio and Gradle build flavors in order to quickly build four separate apps each with a unique color scheme and logos for all of our customers.
- In charge of all Google Play tasks including publishing updates and analyzing statistics
- Currently in charge of building and maintaining iOS app in Xcode because of a sudden departure of the iOS developer.
- Also responsible for leading an offshore mobile development team.

### **Welk Resorts Group**

#### **Software Engineer**

**October 2014 – March 2015**

- Developed RESTful web services Android app to upload sales leads and download sales event data from a Salesforce database
- Saved sales leads to local storage and pushed leads when network connection was re-established
- Integrated IDTech UniMagII credit card reader third-party API and pushed credit card data to Authorize.net

### **Keystone Business Products**

#### **Web Designer**

**April 2013 – October 2014**

- Designed responsive websites using Twitter Bootstrap templates and HTML5, CSS3, and PHP
- Increased sales revenue \$12,000/month by launching an SEO marketing campaign

### **QuickPlay Media**

#### **Software Engineer**

**November 2012 – April 2013**

- Implemented leaderboard feature in Verizon IndyCar Android app. Developed REST web service API to gather and display real-time data. Also implemented analytics using Omniture to give customer feedback on how users were using app.
- Worked closely with iOS developers to deliver an identical Android app
- Wrote the Telus Optik on the Go prototype Android app that has now become a full production app for the Telus broadcasting company. Developed prototype with one other Android Developer In a very fast paced environment. Prototype only took two months to finish and be approved.

**SAIC****Software Engineer****October 2011 – August 2012**

- Developed Android app that interfaced with the JTRS HMS Rifleman Radio to give U.S. Army Rangers real-time feedback including GPS coordinates, radio IP address, and call group settings
- Pulled data from radio over SNMP with a CDC USB/Ethernet connection on rooted phones
- Setup and presented demos of Android app to U.S. Army officers up to Brigadier General
- Obtained a Secret Security Clearance (now expired)

**EDUCATION**

- Columbia University - M.S. Biomedical Engineering - Digital Image Processing
- Northeastern University - B.S. Electrical Engineering - Digital Signal Processing