
Lou Morda

Senior Android Developer
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CONTACT INFORMATION

- Email: Lmorda81@hotmail.com
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GOOGLE PLAY APPS

- Telemedicine: [RelyMD](#), [CAREnQ](#), [Iowa eClinic](#)
- Digital Media: [Telus Optik on the go](#), [Verizon IndyCar](#)
- Military: JTRS HMS, SNAP-A (not on google play)

TECHNICAL SKILLS

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

EMPLOYMENT HISTORY

Engility

Senior Software Engineer

September 2016 - Present

- Responsible for developing and maintaining the first Android app for the JREGW platform.
- Earned an Engility Corporation in Recognition Award for creating the demo app and providing a production ready release well ahead of schedule.
- Continuously collaborate with JavaFX UI team, Java Server team, and test group to produce a matching Android and JavaFX app that interfaces with a Spring Boot / React WebFlux Server.
- Designed UI for Android and Java FX apps using latest Material Design guidelines.
- App utilizes latest Android Jetpack Architecture Components todo mvp architecture. Latest REST frameworks like Retrofit, OkHttp, OkSse, and Jackson provide the REST functionality and unit tests are implemented with Mockito and Espresso.
- Participate in all API design meetings including design of JSON schemas, URL design, and API versioning. Swagger is used to document and test the Spring Boot API. Brought an expertise in

web technologies and web API design to the team that was urgently needed.

- Developed procedure to root phone and install full version of Java 8 on an Android phone. Utilize a Linux chroot container running on phone to run our full API Server on the phone. Allows for the app to be used in a military setting with no WiFi / cell data provider.
- Provided a two week Android training course for the Java development team.

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 telemedicine 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. 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 REST. 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.
- Material Design Support Library has been added for a more modern, animated look.
- 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
- Northeastern University - B.S. Electrical Engineering