

Mike Palarz

Homer Glen, IL • 708-334-0504 • me@mikepalarz.me • [LinkedIn](#) • [GitHub](#)

Android developer and seasoned RF engineer utilizing my unique background in mobile development. Experienced in contributing iterative problem-solving skills, collaborative teamwork, and a motivated learning mindset.

Skills *indicates greater proficiency

Programming Languages • Java* • Kotlin • VBA • Python • Google Apps Script* • C++ • Ruby

Third-Party Libraries • Picasso* • Butterknife • RxJava • Retrofit • ExoPlayer • Timber

Packages/Frameworks • Firebase • SQLite • Espresso • Gradle • Maven

Miscellaneous • git* • GitHub • RegEx • Bash • Agile development • JIRA

Projects

Voyager Android

Present

- Created a custom, enterprise-grade authenticator which adheres to OAuth 2.0 for Motorola employee login
- Configured network security so that CA files are included directly within codebase and VPN access is granted
- Partake in an agile development process by working through 2-week sprints and responsibly managing JIRA tasks

[JammyJamz Android App](#)

October 2018

- Created a social network for music enthusiasts centered around sharing musical interests
- Utilized FirebaseUI for user authentication and Realtime Database for storing user-generated content
- Provided a search interface which involved using the Spotify Web API and properly handling the OAuth client credentials flow

[The Joker Android App](#)

January 2018

- Used Gradle to create both free and paid flavors to modularize the construction of each variant of the app.
- Factored some of the functionality of the app into a Java library
- Adjusted the free flavor of the app to include both banner and interstitial ads using Google AdMob

[Baking Recipes Android App](#)

November 2017

- Verified user interfaces through intensive UI testing via Espresso
- Incorporated media loading by using ExoPlayer to show the user a video for each step of the recipe
- Offered responsive layouts for both tablets and handheld devices through the use of Java, fragments, and XML
- Provided a complete UX by creating a grocery list widget to show the user all of the necessary ingredients for a recipe

Voice Traffic Automator

June 2018

- Designed a Google Apps Script-based traffic setup tool which allowed the user to import all voice traffic parameters using a single Google Sheet
- Reduced the setup time of voice traffic simulations from several days to 15 minutes

Voice Traffic Data Processing

August 2017

- Wrote a VBA macro that performed data processing in order to determine the number of RF channels needed per site for a project estimated to be worth ~\$400 million
 - Provided data-driven statistics from the traffic data which guided the team towards a more competitive approach to the capacity study
-

Experience

Motorola Solutions Inc.

Senior Systems Engineer

Chicago, IL

January 2012 - Present

- Perform coverage simulations for public safety and utilities customers for client-facing projects that have a net worth of \$10-\$400 million
 - Simulate OTA voice and data traffic to determine if a system has enough capacity without impacting mission-critical voice communications
 - Partake in creative discussions with developers about impactful improvements to UX for proprietary software
 - Represent the company by presenting results to both local and international customers (namely Morocco)
 - Utilize a well-rounded set of communication skills by mentoring less-experienced engineers, preparing documents and presentation slides for engineering best practices, guiding training sessions, and collaboratively working with other departments.
-

Education

Udacity

Android Development Nanodegree

October 2018

Illinois Institute of Technology M. Sc. in Electrical Engineering

May 2015

Relevant Coursework: Advanced Computer Networking

Illinois Institute of Technology B. Sc. in Electrical Engineering

December 2012