Igor Ganapolsky

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www.igorganapolsky.com

GitHub: https://github.com/IgorGanapolsky

StackOverflow: https://stackoverflow.com/users/6998684/igorganapolsky

Summary of Qualifications

Android application developer with an eye for solid code, open source libraries, and industry code standards. Proficient in developing for Smart Watch and Smart Phone devices in Kotlin language. Serious about multiple architecture patterns including **MVVM**, **MVP**, **MVI**, **Clean Architecture** & **Unidirectional Data Flow**. Adheres to **S.O.L.I.D**. software design principles and unit testing. Interested in iOS development with SwiftUI and Android Jetpack Compose.

Technical Knowledge

Key Technologies: Android Jetpack, Kotlin (Coroutines), JUnit, Gradle, Git/GitHub, CI/CD (Microsoft Azure
  Pipelines, Jenkins), REST API's with Retrofit/OkHttp

Design Patterns: Clean Architecture, Dependency Injection, Reactive, MVP, MVVM, Unidirectional Data Flow

Software: Android Studio, Jira, Github, Slack, Sketch, Invision

Work Portfolio

Verizon INDYCAR app for Android

The Official NTT IndyCar Series Mobile application powered by NTT DATA.

play.google.com/store/apps/details?id=com.vzw.indycar

HULU app for Android

Stream TV, Movies & more.

play.google.com/store/apps/details?id=com.hulu.plus

DIRECTV for Android tablets

Watch Live TV and recorded shows.

play.google.com/store/apps/details?id=com.directv.navigator

Crestron HOME OS3 for Android

The ultimate mobile control app for home, office, or classroom.

https://www.crestron.com/Products/New-Products/Residential

Professional Experience

Hulu

Hulu is the leading premium streaming service offering live and on-demand TV and movies, with and without commercials, both in and outside the home.
www.hulu.com

Android Developer – Contractor

April 2019-September 2019

Android application engineer working on the Hulu mobile app.

- Worked on analytics portion of the application, aggregating multiple api's including Firebase.

- Implemented RxJava code for offline playback feature of the app.

- Added dependency injection code with Toothpick library.

- Wrote unit tests of business logic with MockK library.

- Performed code reviews of team members' pull requests on GitHub.

- Interacted with digital designers and project managers requirements in InVision, Sketch, and Lucidchart programs.

- Used Jira for task managements and project tracking.

Crestron Electronics, Inc.

Crestron Electronics has carved the path for technological innovation since 1971. They create automation solutions that transform the way people live their lives.
www.crestron.com

Android Team Lead – Full-time

December 2015-April 2019

Android application engineer working on smart devices controlled by mobile apps.

- Performed code reviews of all Android devs via pull requests on Github.

- Analyzed iOS Swift code from the iOS team for feature parity with the Android team.

- Wrote networking logic with Retrofit and OkHttp libraries – which made the code testable and clean.

- Changed legacy Java NIO networking implementation to Square's Okio – which reduced the code size by 50 percent.

- Did a complete build system overhaul of the Crestron App for Android. It was initially written in Ant scripts (remember those), and I rewrote it with custom Gradle scripts. Furthermore, I made it Android Studio Compatible, and decreased the build time from 8 minutes to 1.5 minutes.

- Worked on API design and implementation of Crestron's TSR-310 Remote Android solution. I implemented all the HTTP networking logic using OkHttp library, and followed TDD (test driven development) approach with Kotlin and JUnit.

- Created a message bus architecture for Crestron's mobile apps using RxJava and Kotlin.

- Integrated Clean Architecture into ongoing Android application developments.

Omnigon, Inc.

OMNIGON is a team of digital strategists, artists and technologists working exclusively in the areas of consumer loyalty, audience growth and digital content delivery.
www.omnigon.com

Android Engineer - Contractor

July 2012-October 2015

Android application engineer working on Verizon INDYCAR 15 and DIRECTV for Tablets app.

- Set up Travis CI continuous integration server to perform continuous builds on code checked into GitHub.

- Led a team of 3 Android developers, doing their code reviews, delivering continuous builds and doing demos for the client.
- Utilized techniques in the codebase such as Dagger dependency injection, RxJava reactive programming, and a model-view-presenter framework.
- Performed static analysis on code via Android Studio.
- Developed ContextHub analytics library. This library allows developers to use simple statements to create contextual experiences in applications.
- Parsed Protocol Buffer messages to process and display data in the app.
- Set up an audio streaming service to control live broadcast audio in the app.
- Performed static analysis on code via Lint and FindBugs tool.
- Committed and merged code daily into Bamboo continuous integration server.
- Worked on DIRECTV for Tablets app to integrate analytics into the application.

Barclays Bank
Contractor - Android Application Developer
Nov 2011 - February 2012
Key developer at Barclays Bank mobile group on the Barclaycard US Android application. This app is released in the Google Play store and the Amazon Kindle store.
- Created XML layouts and screens for the app as per business design documents.
- Connected the flow of all the screens in the application with Java.
- Researched security implications for this high-visibility financial app in the Android marketplace, and analyzed Proguard security holes with Android's Dalvik VM.
- Utilized data obtained from web services with Java Jackson library on the client side.

Inform Technologies
Python Engineer, Full-time
Mar 2010 – Nov 2011
Inform's mission is to integrate World Class technology that fundamentally improves digital advertising effectiveness and publishing operations for every one of our partners.
- Wrote Python scripts to parse thousands of urls from http responses.
- Wrote websites with Python Django framework to present news articles.
- Performed Linux administration with Python scripts.
- Set up websites and deployed on Amazon EC2 cloud.

KPMG LLP
Java Web Developer, Full-time
Aug 2004 – June 2009
- Developed a web-based document management system for KPMG's Tax department, using J2EE and the Struts framework, that was deployed on IBM WebSphere and Oracle.
- Performed development and algorithm design (sorting and, retrieving, data structures) in Java.
- Created JSP pages, Struts Java Action classes, and XML configurations to fulfill business requirements.
- Leveraged Hibernate to expose Oracle database entities as Java objects.
- Wrote SQL queries to create and alter database tables, as well as to insert and update new data.

Hobbies

- Home Automation and Smart Home controls. Proficient in installing and upgrading the following equipment: Samsung SmartThings, Kasa Smart Plugs, Google Home Hub + Nest + WiFi, Amazon Alexa, August Smart Lock, Logitech Pop Switch + Buttons, Philips Hue Lighting + Motion Sensors.
- Experience with monitoring and troubleshooting network packets with WireShark and Charles Proxy software.

Certifications

TripleByte Certified for Android Engineering - https://triplebyte.com/certificate/YmPRbGg

Education

Pace University – 2012. Certificate in Android Application Development

Manhattan College – Class of 2002, New York, NY. B.S. in Computer Science, Minor in Mathematics