

 <https://www.halfbit.de>
 info@halfbit.de
 [linkedin.com/in/beworker](https://www.linkedin.com/in/beworker)



SERGEJ SHAFARENKA

Software Architect, Senior Android Consultant, Androider since 2010, Founder @halfbit.de, ex @sap.de, @siemens.de. Open Source Committer @github.com/beworker

German, English, Russian

Specialties (Android relevant)

Clean Architecture	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Modular Design	<div style="width: 100%;"><div style="width: 100%;"></div></div>
S.O.L.I.D. Principles	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Code Refactoring	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Continuous Integration	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Annotation Processing	<div style="width: 100%;"><div style="width: 100%;"></div></div>

Other Skills (Android relevant)

Android JetPack	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Kotlin	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Java	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Coroutines	<div style="width: 100%;"><div style="width: 100%;"></div></div>
RxJava/RxAndroid	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Dagger2	<div style="width: 100%;"><div style="width: 100%;"></div></div>
RESTfull API design	<div style="width: 100%;"><div style="width: 100%;"></div></div>
GraphQL	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Automated Testing	<div style="width: 100%;"><div style="width: 100%;"></div></div>

Open Source

Knot: Unidirectional reactive state container for Android & Kotlin.
github.com/beworker/knot

Edge-to-Edge: full screen Android apps using simple Kotlin DSL.
github.com/beworker/edge-to-edge

Magnet: experimental DI for modular Android apps.
github.com/beworker/magnet

Autoplay: Gradle plugin for publishing Android artifacts to Google Play.
github.com/beworker/autoplay

and more...

Jan 2019 - Mai 2020

Senior Android Developer @ioki.com

- App modularization (concept, strategy & initial implementation, 1 to 15+ modules).
- App screen navigation (concept, prototype & initial implementation).
- Introducing reactive unidirectional state container (concept, refactoring, coaching).
- Introducing code decomposition technique for complex screens (team coaching).
- Crafting new and refactoring existing app screens (MVVM, custom Views, styling).
- Creating an extensible, Kotlin DSL based logger (design, implementation).
- Automate localization process (CI, Bitrise + Lokalize integration).
- Automate publishing of apps to AppCenter (CI, Bitrise + AppCenter integration).
- Coaching team mates, writing documentation (Wiki), reviewing code.

#Android #Kotlin #KotlinDSL #RxJava #ViewModel #Dagger2 #Retrofit2 #Firebase #GoogleMapSDK #StripsSDK #Bugsnag #Sentry #Mockito #Ktlint #Detekt #Scrum #Git #GitHub #ZenHub #Bitrise #Zeplin

Oct 2016, Jun 2018

Contractor Android Architect (NDA) @roche.de

- Assessing quality of Android software written for a medical device.
- Discussing and documenting possible improvements to software design and implementation.

#Android #CodeAssessment #ArchitectureAssessment #AndroidStudio #Eclipse

Apr 2016 - Sept 2016, Jun 2017 - Mar 2018

Senior / Lead Android Developer @maxdome.de

- App modularization (concept, documentation & initial implementation).
- Migration to Kotlin (concept & initial implementation).
- Crafting various app screens (MVP, custom Views, styling).
- Crafting VideoPlayer (ExoPlayer, MPEG-DASH, Widevine DRM).
- Extracting player into a separate library (concept & implementation).
- Design & implementation of handlers for persistent & non-persistent DRM licences.
- Enhancing development conventions for Android, Java, Kotlin, RxJava, writing documentation and enforcing knowledge sharing in the team.

#Android #Kotlin #RxJava #ModelViewPresenter #Dagger2 #Retrofit2 #ExoPlayer #WidevineDrm #Mockito #Espresso #BitBucket #Scrum #Git #JavaScript #Node.js

April 2016 - present

Founder, Senior Android Developer @halfbit.de

I left SAP to focus primarily on Android development. Since then I am helping companies implementing modern, modular, extensible and maintainable mobile apps, as well as gaining deeper knowledge of Android development. In spare time I learn new stuff and work on private pet projects and open sources libraries.

Jan 2006 - Mar 2016

Software Architect @sap.com

Android related tasks:

- Prototyping first mobile applications for SAP SE.
- Enhancing Security Product Standard for mobile development.
- Conducting Android Trainings at Vogella GmbH as a secondary employment.

Before Mar 2006 - Siemens VDO, Softlution GmbH, Emagisoft Corp

Detailed profile is available at <https://linkedin.com/in/beworker>