



Dennis Block

Android Developer

## Contact

+49(0) 176 42134517

Dennis.Block@bandb.dev

www.bandb.dev

Karolingerstraße 3

59872 Meschede

Germany

## Skills

### Android Development

Android SDK since Android 2.1

Android Jetpack

Sensors, Bluetooth (Smart)

SQLite, Room, Realm

RxJava, RxAndroid, Coroutines

Dagger 2/Koin

REST API, Json, Retrofit

Clean code, MVVM/MVP/MVI

Git, GitHub/Bitbucket/Gitlab

JUnit, Mockito, Espresso

Teams, Slack

JIRA

### Programming Languages

Java

Kotlin

### Languages

German

English

CV

## Projects

### ▪ Telecommunications

Germany

February 2021 – April 2021

For an IT service provider working in the telecommunications industry, we were responsible for the further development of a client-side SDK, which is developed in-house. The SDK communicates with a server via APIs generated by OpenAPI. We extended the APIs and integrated them into the SDK. The new features, among others Consent-Management, were implemented for the app of a larger customer the company serves. The UI design for the app was created by a designer in the tool Figma, which was subsequently implemented by us. The planning was done according to agile methodologies.

Kotlin

Coroutines/Flow

Jetpack (Workmanager, Navigation)

Ktor

Unidirectional data flow

OpenApi

Test Driven Development

JUnit, Espresso

Sentry

GitLab

Agile

### ▪ Education

Germany

April 2020 – September 2020

An app for educational institutions is extended by a new feature. Data is provided by a second backend system through a REST interface, which I integrated into the app. The app will be extended by a registration feature, authentication with token management (JWT) and different interfaces to display or change data through the given REST API.

Kotlin

MVI+MVP

Databinding

Retrofit

Koin

RxJava2, RxBinding

JUnit, Mockito, Espresso

### ▪ Aviation and aerospace

Germany

March 2020

An already existing app should be rebuild from scratch using more modern approaches. As part of a team I was responsible for the implementation of one of the features. Locally stored data was read out and displayed in different views, for which I had to develop a complex custom view.

Kotlin

MVVM

Databinding

Jetpack

JUnit, Mockito



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### SmartHome „LED by AEG“

MexIt GmbH

As part of a team I was involved in the conception and subsequent implementation. Special light sources were equipped with Bluetooth low energy chips, which are controlled by the app. The light sources were protected with a password, so not everyone could control them. Furthermore the light sources could be grouped into "scenes", like "living room". This configuration was stored in a local database.

Java

Bluetooth LE

SQLite, ORM

### Fitness

MexIt GmbH

An app should be developed in the fitness area. This app provides the user with different training plans. For each training plan, the user can keep a separate log entries. The time of the training session, the number of sets and repetitions was stored locally in a database. This data was then processed and displayed in a chart.

Java

SQLite, ORM

## Open Source Projects

### GraphView

Co-author (<https://github.com/Team-Blox/GraphView>)

Android library used to display data in graph structures.

Featured in Android Weekly, Issue #378

## Work Experience

### Block & Block Software Engineering GbR

since January 2019

Android Freelance Developer

### B. M. S.

since September 2018

Co-founder and -author

Computer-assisted monitoring of collapse-endangered structures by laser interferometers.

### Fleetbird GmbH

September 2018–October 2018

Android Developer

Development on the Fleet-Sharing Android app in Java. Implementation of specifications. Close cooperation with design and iOS team.

### MexIT GmbH

June 2014–April 2017

Android Development



**Dennis Block**

Android Developer

CV

## Education

- **Fachhochschule Südwestfalen** March 2013—September 2018  
Iserlohn  
Applied computer science  
Master of Science with honors
- **Fachhochschule Südwestfalen** December 2008—December 2012  
Iserlohn  
Applied computer science  
Bachelor of Science
- **Berufskolleg Olsberg des HSK** December 2004—December 2007  
Training as a "State-certified information technology assistant"  
Advanced technical college entrance qualification

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