



## Gregor Block

Android Developer

## Contact

+49(0) 173 8246500

Gregor.Block@bandb.dev

www.bandb.dev

Werringser Str. 36b

58706 Menden

Germany

## Skills

### Software Engineering

- Android Framework (Kotlin/Java)
- Frontend/Backend Development
- Database design SQL/NoSQL
- UI/UX Design & Concept Development
- IT Consulting
- Functional reactive programming (Coroutines, RxJava)
- Software Architecture, Clean, SOLID, MVVM, MVI, MV\*
- Dependency Injection (Dagger 2)
- Android Jetpack, Material Design
- Sensors, Bluetooth (Smart)
- Teams, Slack, JIRA, etc.

### Languages

German

English

Russian

CV

## Projects

### ▪ Film industry

Germany

since August 2021

Another video streaming platform was supplemented by a native Android app. Our task was to first implement the UI layer and then implement the remaining layers. We used Jetpack Compose (Android's new UI framework toolkit) for the first time for the UI implementation.

Kotlin

Coroutines/Flow

Coroutines/Flow

Coil

ExoPlayer

Retrofit/OkHttp

Jetpack (Compose, Hilt, DataStore, Navigation, etc.)

### ▪ Film industrie

Germany

since July 2021

For the development of a video streaming Android app we were responsible for the UI layer. In addition to complex custom views such as the Electronic Program Guide (EPG), a dynamic styling system had to be implemented so that the app could later be offered as a white label solution.

Kotlin

Coroutines/Flow

Unidirectional data flow

Koin

Picasso

Retrofit/OkHttp

Jetpack (Viewmodel, DataStore, Navigation, etc.)

### ▪ 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

### ▪ Gesundheitswesen

Deutschland

February 2021 – Juni 2021

After a consultation phase, the notifications are natively implemented for an emergency app developed in react-native. The challenge was to find a way to handle the different restrictions of the device manufacturers. In addition to the actual implementation, the communication with the react modules had to



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be taken into account.

Kotlin

Firebase Cloud Messaging

Android Native Modules (react-native)

### Education

Germany

April 2020 – July 2021

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. In addition, there were other activities such as consulting and maintenance over a longer period of time.

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

## 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.

### MexIT GmbH

June 2014–April 2017

Android Development



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## Education

- **Fachhochschule Südwestfalen**  
Iserlohn

March 2013—September 2018

Applied computer science

Master of Science with honors

- **Fachhochschule Südwestfalen**  
Iserlohn

December 2008—December 2012

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