



## Gregor Block

Android Developer

## Contact

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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 (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

### Education

Germany

since April 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

### 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

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## 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

## Ausbildung

- **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