Gregor Block
Android Developer

Contact

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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

■ **Telecommunications**   February 2021 – April 2021
Germany

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**   April 2020 – September 2020
Germany

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**   March 2020
Germany

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.

- **MexIT GmbH**   June 2014–April 2017

  Android Development

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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