

## JOHANNES BOLZ

Freelance Mobile Developer (Android/Flutter/Firebase)

Berlin

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### PROFILE

Mobile developer with extensive experience since 2010. Building clean, robust and maintainable mobile apps. Deep knowledge of the Android and Flutter SDKs. Expert knowledge in Firebase services. Up to date with the relevant third-party tools. Able to focus on the details that matter without losing sight of the big picture. At home in early stage projects. Berliner by choice. Loves to travel. Proud dad.

### SKILLS

Languages: Kotlin, Dart, Java, JavaScript, Python, Swift, Objective C and others  
Mobile APIs and concepts: Android SDK, Flutter SDK, Rx(-Java/-Kotlin/-Dart), Compose, Retrofit, Dagger, SQLite/ROOM/Drift, get\_it, architecture models like MVVM, BLOC, Provider and others..  
Services: All Firebase Services and their mobile SDKs, Google Maps, various Crash reporting tools like Bugfender  
Testing: JUnit, Espresso, Appium, Mockito,, MockK, Dart/Flutter Testing tools.  
Tools: Android Studio/IntelliJ IDEA, VSCode, XCode, Codemagic, Jenkins, Travis, GitLab CI, Git, Jira, Confluence, Notion, Figma, Miro, HTTP testing tools.  
Project management: Scrum, Kanban, waterfall, utter chaos and everything in between.  
Other: Famous for my home-made pizza (multiple years of experience in the pizza business long before I started working as a developer).

### AVAILABILITY

I am available for remote projects, having a fully functioning home and mobile office. My availability for on-site work is up to 50% within the greater Berlin area as well as up to 20% in other locations.

### FREELANCE PROJECTS (\*)

Leading German supermarket chain, Hamburg      Consultant + Mobile / Full Stack Developer. Maintenance and further development of a mobile app for store employees servicing an ERP system.

Project duration: > 3 months.

Technologies: Flutter, Android, Dart, Java, Go, Firebase, gRPC, protocol buffers, Azure, Docker, Kubernetes, Terraform.

Start up in the field of electronic document verification, Cologne      Consultant + Developer for a native Android and iOS app project for document verification. Leading a knowledge transfer process between a parting long-term mobile/image recognition specialist and a to-be-recruited mobile developer team. Improved a programming interface for apps of partner companies and communication with those partners.

Project duration: > 6 months.

Technologies: Native Android and iOS (Java, Objective C, Swift, C++), OpenCV, Tesseract.

Digital subdivision of a major farm and truck machinery maker, Spelle/Berlin

Mobile Lead Developer + Consultant. Driving a major refactoring and further development of an existing Flutter mobile app for agricultural activity tracking. Driving a knowledge transfer process from a parting external mobile developer team and building a new, long-term permanent developer team. Consulting about use cases, possibilities and limitations of GPS tracking using smartphone technology.

Project Duration: > 3 years

Technologies: Flutter, Android, iOS, Firebase Realtime Database, Firebase Cloud Functions, Firebase Cloud Messages, REST, Firebase App Distribution, Google Maps, iOS and Android GPS interfaces and background work mechanisms, SQLite, Codemagic.

Renowned gynecological hospital, Düsseldorf

Development of a Flutter mobile app for medicinal personnel detailing treatment techniques and operating procedures, along with a CMS based on Wordpress. The customer's requirement was to build a simple, cost-effective reference guide app for iOS and Android with an easy to use CMS allowing wysiwyg editing and embedding multimedia content. Developed the app with a partner, set up app store accounts for the client to publish the apps, instructed the client into the CMS.

Project duration: > 2 years

Technologies: Flutter, REST, WordPress, App consists of both "native" Flutter UI as well as WebViews for the CMS content.

Early stage startup in the field of private camping spaces,, Zurich

Technical/product advisor for a new two sided rental marketplace for private camping spots. Consulting about technological possibilities and limitations, acquiring partners for the project, extending the mobile app with content from the web marketplace.

Project duration: 1 year.

Technologies: Sharetribe, Heroku, native Android and iOS, Firebase Cloud Firestore, Firebase App Config, Firebase Cloud Messages, Firebase Cloud Functions, REST.

One of the major German banks, Rostock

Senior Android Developer. Development of a new onboarding/legitimation flow using electronic IDs and video identification in the Comdirect banking Android app.

Project Duration: 9 months.

Technologies: Android (native, Kotlin), MVVM, a third-party SDK for eID legitimation.

Digital subdivision of a major farm machinery maker, Berlin  
Senior Android Developer. Development/maintenance of a farm machinery tracking system using bluetooth beacons. Development of an Android app, an offline-first activity tracking app for smaller scale agricultural companies.

Project Duration: > 2 years.

Technologies: Android (native), MVVM, REST, Android GPS, MQTT, Bluetooth, Retrofit, JUnit, RxJava, RxKotlin, Koin.

Startup in the space of camping equipment and event organization, Germany  
Development of a visitor app for an annual outdoors/travel festival. Developed the app using Flutter and Firebase, both for Android and iOS.

Project duration: 1.5 years.

Technologies: Flutter, iOS, Android, Firebase Cloud Firestore, Firebase Cloud Messages, Firebase Cloud Functions.

## EMPLOYMENTS (\*)

- since 05/18 [Johannes Bolz Softwareentwicklung \(Freelance\)](#), Berlin. For projects, see above.
- 01/19 – 09/20 [365FarmNet](#), Berlin. Senior Software Engineer (Android). Permanent extension after my freelance assignment.
- 08/17 – 04/18 [Frachtraum](#), Berlin: Senior Software Engineer. Lead the development of the [Frachtraum Driver App](#) that digitized all paperwork related to truck shipments, offers dedicated truck turn-by-turn navigation and tracks the truck's location and ETA.
- 01/15 – 08/17 [Teampplace GmbH](#), Berlin: Senior/Lead Android Developer. Lead the development of [Teampplace Android](#), a cloud storage solution built for teams.
- 11/12 – 12/14 [Cortado AG](#), Berlin: Android developer. Developed [cloud printing](#), [cloud storage](#) and [MDM](#) solutions.
- 09/13 – 04/14 Full time dad: Traveled New Zealand and South Korea with my family during my paternal leave.
- 05/12 – 11/12 Freelance Android developer. Developed multiple Android apps, including a video app for wedding photographers and an augmented reality app for the Vienna city council.
- 11/11 – 04/12 Akaparis GmbH, Berlin.
- 11/10 – 10/11 [Beuth University](#), Berlin: Working student in the research project [MAGUN](#).
- 06/10 - 11/10 [North West Geomatics](#), Calgary, Canada: Intern in the software development team of [Valtus](#), a web-based platform for the delivery of aerial imagery.
- 01/10 - 06/10 [PACE Aerospace and Engineering GmbH](#), Berlin: Working student in QA team.

- 07/09 - 11/09 [IVU Traffic Technologies AG](#). Berlin: Working student in software development team.
- 01/09 - 06/09 [Efon Germany GmbH](#), Berlin: Working student in development team for satellite based telematics systems.
- 08/08 - 09/08 [AED-SICAD AG](#), Berlin: Intern in the software development team.

## EDUCATION

[Beuth University](#), Berlin: Bachelor thesis on "Indoor Positioning using NFC Tags": Evaluating the use of NFC transponders for indoor navigation and indoor location based services. Developed a demonstrator app, [TagLocate](#).

Thesis grade 1.0 (eq. A/A+), overall grade 1.9 (eq. B).

[Beuth University](#), Berlin: Studies of [Geoinformation](#). Contents (selection): GIS, geodatabases, location based services, software development, surveying (theory and techniques), cartography, remote sensing.

## LANGUAGES

German	Native speaker.
English	Fluently spoken and written.
French	Used to be good.

## PERSONAL INTERESTS

Hiking. Photography. Fishing. Cooking. Most of all: Traveling – spontaneously, with light baggage and open eyes. Whether it's exploring the Brandenburg backcountry over the weekend, backpacking in remote places like Kyrgyzstan or going on a 6 month road trip through New Zealand with a baby: Getting out regularly is what matters and keeps my mind fresh and productive.

## (\* ) LEGAL DISCLAIMER / REFERENCES

Please respect that even though I have listed some previous projects and employers by name, this does strictly not imply my permission to contact representatives of these companies without my consent or to gather, store or share their contact information. I will be happy to provide reference contacts upon your explicit request.