Patrick Willmann

Software Engineer (Android / Web)

patrick.m.willmann@gmail.com | +49 173 175 8650

EDUCATION

TU BERLIN
MSc in Information Systems Management
Expected Apr 2019 | Berlin, Germany

BSc in Information Systems Management
Graduated Dec 2016 | Berlin, Germany
2.2

FREIHERR-VOM-STEIN
Grad. May 2012 | Berlin, Germany

LINKS

Github:// **pwillmann**
LinkedIn:// **patrick-willmann**

INTERESTS

GENERAL
Open Source Software Engineering
Android
Web (-Apps)
Mobile
UX / UI Design
Photoshop, Sketch, Affinity Designer

ANDROID
Kotlin
ReactiveX
Architecture
Animations

WEB
React
Vue
Redux
Webpack
PWA

SKILLS

PROGRAMMING
Day-to-day:
Kotlin • Java • JavaScript •
CSS / SASS • RxJava/Kotlin
Have-used:
Python • MySQL • Lua • LaTeX

ABOUT ME

I am a software engineer with a focus on web and mobile development (specifically android) based in Berlin. Although I worked on frontend and backend tasks and would consider myself full-stack I have a focus on planning, designing and implementing User Interfaces (UX & UI) with meaningful animations.
When I am not developing software I like to spend my time doing various kinds of sports (Skiing, Surfing, Workouts, Football, ...).

EXPERIENCE

ZENJOB | (Android) Software Engineering Working Student
October 2017 – now | Berlin, Germany
- Working on the company Android App.
- Code is reviewed via Pull Requests, tested via unit and ui tests running on a CI.
- Helped to migrate from Java to Kotlin and introduced a reactive Architecture inspired by Redux (React).

STAYFRIENDS | (Android) Software Engineering Working Student
July 2015 - September 2017 | Berlin, Germany
- Worked on the first "real" native Android App of the company.
- Proposed and integrated Retrofit, RxJava, DataBinding and the MVVM-Architecture into the App.
- Helped Product and Design to incorporate the Google Material Design Guidelines and implemented them later.
- Worked on a real-time chat component with database based caching, image upload and image viewing.

STAYFRIENDS | (Mobile) Software Engineering Working Student
July 2014 - July 2015 | Berlin, Germany
- Joined to create the very first native mobile app with two full-time engineers with the appcelerator titanium cross-platform framework.
- Used JavaScript to creat Views and Animations for the registration / onboarding.
- Pushed to create "real" native apps instead of cross-platform apps.

PROJECTS

PRETRENDR | TU Berlin OSS Project
Oct 2017 – March 2018 | Berlin Germany | pretrendr.com
Google Trends like web-app to view and compare trend data of terms.Worked with six other students from different fields on a big-data project with an industry partner. Lead planning, design and implementation of the frontend. Used Vue.JS to implement the frontend and setup continouus deployment with circle.ci to easily deploy the frontend to firebase hosting. After the project finished used firebase functions and firebase firestore to cache results.

EVERGUIDE LIVE | Fraunhofer / TU Berlin Project
Oct 2017 – March 2018 | Berlin Germany
Developed an Android App which fetches Indoor Map data in the geojson format from an graphql endpoint (developed by fellow students), caches them in the apps database and displays them on a map. Firebase Messaging is used to be notified when data has changed on the server so the new data can be fetched in real-time. App is build upon Kotlin, RxKotlin, Room, Dagger.