

# Stephan Lauterbach

Senior Android Developer & Platform Lead



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## SUMMARY

I am a Senior Android Developer especially interested in delivering large-scale, high-quality Android projects. My past projects allowed me to drive innovation and quality in apps with hundreds of thousands of daily users. I am passionate about improving best practices for developers and work on the system architecture. Working with cross-functional teams and being involved from ideation to delivery is something I enjoy.

## SKILLS

- Technologies:
  - Android:
    - Architecture: MVVM, MVP
    - Concurrency: RxJava2, Coroutines
    - Data: Realm, Room, Firebase Realtime Database, Retrofit, OkHttp, Moshi
    - Injection: Dagger, Koin
    - I18n: PhraseApp
    - Image: Glide, Picasso
    - Map: MapBox
    - Quality: Espresso, Kaspreso, Junit, MockK, Robolectric, Mockito, Detekt, JUnit, lint
  - Backend: AWS (Lambda, EC2, Docker, DynamoDB, CloudFormation, S3, CloudWatch)
  - Build: CircleCI, SauceLabs, GitHub Actions, CodeBuild, TeamCity, Jenkins
  - Ops: Elastic, New Relic
- Soft skills: Mentoring, Platform Lead, Team Lead
- Languages: English (fluent), German (native)

## EXPERIENCE

04.2021 – 02.2024

📍 Hamburg

📄 Part 1/2

### [Android Platform Lead](#)

Otto GmbH & Co KG | E-Commerce

Hybrid Shopping App

<https://play.google.com/store/apps/details?id=de.cellular.ottohybrid>

>5.000.000 User

>4,5 Rating

Main Tasks

- Drive bigger architecture refactorings and developer experience
- Planning and consultation with feature development teams
- Responsibility for further development of tech roadmap together with the team
- Build up Android platform team
- Moderation of Android platform meetings
- Recruiting interviews (general & technical interviews)

04.2021 – 02.2024

📍 Hamburg

📄 Part 2/2

### Android Platform Lead

Otto GmbH & Co KG | E-Commerce

#### Projects

- Automation of development best practices & rules
  - Mainly via detekt & lint
  - Reduction of developer errors for certain architecture and reactive patterns
  - Made refactoring needs more transparent
  - Responsibility for planning & partially execution
- Refactoring of integration test setup
  - Refactoring of complete test setup from espresso to kaspreso with additional layer to reduce flaky test count
  - Decreased test CI runtimes from 45min to 15 min
  - Result: Minimized flakiness & improvement of success rate from 60% to 99%
- Implementation of new OAuth authentication via PKCE flow
  - Responsibility for planning & most of the execution

#### Technologies

- Android:
  - Architecture: MVVM
  - Dagger2, RxJava2, Glide, Kotlin, MockK, Robolectric, Espresso, Retrofit, OkHttp, Moshi, Jetpack Compose, Coroutines, Kaspreso, JUnit, detekt, lint, Koin
- Other:
  - CircleCI, AWS (Lambda, EC2, Docker, DynamoDB, CloudFormation, S3, CloudWatch), Elastic

01.2020 - 04.2021

📍 Hamburg

### Senior Android Developer

Otto GmbH & Co KG | E-Commerce

#### Hybrid Shopping App

<https://play.google.com/store/apps/details?id=de.cellular.ottohybrid>

>5.000.000 User

>4,5 Rating

#### Main Tasks

- Mostly working on technical and architecture topics inside a feature team
- Support of other feature teams for feature concepts
- Work on technical roadmap and backlog
- Mentoring
- Recruiting Interviews (general & technical interviews)

#### Projects

- Build new native shop start page from scratch
  - Different tile types based on JSON configuration provided by backend
  - Partial responsibility for planning & execution
  - Increased customer engagement with new start page
- Dagger 1 to Dagger 2 Migration including integration test setup
  - Completely responsible for planning & execution

#### Technologies

- Android:
  - Architecture: MVVM
  - Dagger2, RxJava2, Glide, Kotlin, MockK, Robolectric, Espresso, Retrofit, OkHttp, Moshi, Kaspreso, JUnit, detekt, lint, Koin
- Other:
  - CircleCI, AWS (Lambda, EC2, Docker, DynamoDB, CloudFormation, S3, CloudWatch), Elastic

11.2018 - 01.2020

📍 Hamburg

● [Android Developer- Kotlin / Java](#)

moovel GmbH (merge to Reach NOW, then mobimeo) | Mobility

Mobility Platform App, whitelabel, Multiple mobility service providers per customer  
<https://mobimeo.com/produkte/> (Reach NOW app discontinued)  
>500.000 User

Main Tasks

- Developer in the mobility framework team (platform team)
- Responsible for complete app architecture that is not specific to a mobility service
  - Support other teams in integrating major features (e.g. in search or user account)
  - Responsibility for release process
- Improve release process automation with fastlane

Projects

- Rebuild complete app navigation (NavigationDrawer → BottomNavigation)
- Implementation of new deeplink architecture
- Rebuild authentication with OAuth2.0
- Build Android instrumentation test setup with Firebase Test Lab

Technologies

- Android:
  - Architectures: MVP, MVVM
  - Dagger2, RxJava2, RxBindings, Picasso, Kotlin / Java, AndroidX, MapBox, Mockito, Robolectric, Espresso, Firebase Realtime Database, Retrofit2, Room, PhraseApp, NewRelic
- Other:
  - TeamCity (CI), AWS EC2, fastlane

03.2017 - 11.2018

📍 Hamburg

● [Software Developer Mobile- Java / Android](#)

Otto GmbH & Co KG | E-Commerce

Hybrid Shopping App

<https://play.google.com/store/apps/details?id=de.cellular.ottohybrid>

>5.000.000 User

>4,5 Rating

Main Tasks

- Conception and implementation of new Android features
- Migration, maintenance and further development of Apps-Backend Services (Microservices / Docker / AWS)
- Improve Android test automation
- Participation in the product development process, e.g., in discoveries on various topics

Projects

- Build completely new native start page
  - Including new backend services & data collection via backend APIs
  - Resulting in CTR and other business KPIs significantly improved

Technologies

- Android:
  - Dagger1, RxJava1, Picasso, DataBinding, Java, Retrofit2, Mockito, Espresso, Git, EventBus
- Other:
  - AWS: CloudFormation, EC2, Lambda, API Gateway, S3, CloudWatch, VPC, API-Gateway
  - Jenkins, CodeBuild
  - Kibana

03.2015 - 02.2017

📍 Hamburg

Team Lead & Developer – Web

d.vinci HR-Systems GmbH | Human Resources

HR Platform for Applicant Management and Onboarding, SaaS/web application

<https://www.dvinci.de/en/bewerbermanagement-software/>

Main Tasks

- Team Lead (team size: 5 people)
- Control of parallel software development projects (resources, quality, deadlines)
- Communication with project management, service providers and customers
- Development and coordination of team goals
- Annual performance reviews
- Regular employee feedback meetings
- Recruiting interviews

Projects

- Optimization of the test strategy of the core library and increase of test automation

Main tasks as developer similar to → “Developer – Web, 11.2013 – 03.2015”

Technologies

- Languages: Perl, Groovy, React (from 2015)

11.2013 - 03.2015

📍 Hamburg

Developer – Web

d.vinci HR-Systems GmbH | Human Resources

HR Platform for Applicant Management and Onboarding, SaaS/web application

<https://www.dvinci.de/en/bewerbermanagement-software/>

Main Tasks

- Responsibility for the technical implementation of migration and new customer projects
- Analysis of existing systems
- Conception, communication and implementation of new APIs
- Support of application development, IT admin and customer support
- Planning and implementation of new features
- Implementation of development processes in for quality optimization
- Mentoring of new employees

Projects

- Implementation of a tool for partial automation of database migrations
- Process optimization of the implementation of new customer projects and migrations

Technologies

- Languages: Perl, Groovy, React (from 2015)

11.2009 - 11.2013

📍 Hamburg

Working Student – Developer – Web

d.vinci HR-Systems GmbH | Human Resources

HR Platform for Applicant Management and Onboarding, SaaS/web application

<https://www.dvinci.de/en/bewerbermanagement-software/>

- Software Developer, later Team Lead Students
- Planning and implementation of new features
- Communication with project management, service providers and customers
- Training and coaching of new student employees
- Responsibility for the technical implementation of new customer projects
- Languages: Perl

## PROJECTS

10.2014 - today

📍 Hamburg

[fitloxx – Gym Tracking App](#)

**Self-employed | Health & Fitness**

<https://fitloxx.app/>

<https://play.google.com/store/apps/details?id=com.fitloxx>

**>1000 Downloads**

**>4,5 Stars**

- Main Features

- Workout planning & tracking
- Custom workout & exercise creation

- Technical Features

- Local Data Storage via Realm
- Remote Data synchronization via Firebase Realtime Database
- Login Flow
- Payment Flow
- Analytics

- Architectures used: MVP, MVVM

- Technologies Android:

- Kotlin, RxJava2, Coroutines, Glide, MockK, Robolectric, JUnit, Firebase Realtime Database, Dagger2, Kaspreso, Google Billing

## EDUCATION

10.2009 - 12.2013

[Master of Science Computer Science](#)

University of Hamburg

Main Focus

- Architecture and Design of IT Systems (AGIS)
- Complex Distributed Systems (KVS)

Thesis

- Topic: "Modeling of database structures and conception of a backend architecture of a single-source publishing web application for heterogeneous end devices and prototypical implementation"
- Technologies: Python (Framework Flask, among others with SQLAlchemy, WTForms, Scrypt), MariaDB, Linux/Ubuntu, Bootstrap, Microsoft Visio 2010

- Grade: 1,0

Overall grade: 1.9

10.2006 - 10.2009

[Bachelor of Science Computer Science](#)

University of Lüneburg

Main Focus

- Applied Computer Science

Thesis

- Topic: "Design and implementation of a license generator using symmetric and asymmetric encryption algorithms"

- Grade: 1,7

Overall grade: 2,2

## PERSONAL

Doing sports plays a big role in my life. Especially Strength Training, Running, Squash or some Hiking. But I also like to read a good book (mostly non fiction) or play a round of Poker.