Dr. Florian Lindner

Senior Android Developer & Architect | Freelancer



Birth date:	16.02.1984
Nationality:	German
Phone:	+49 (0) 15678 431736
E-mail:	cflindner@gmail.com
Company:	Clean Bytes LLC (formerly Chainreport FZCO)

Profile

Senior Android Developer and Architect with more than 15 years of Android experience (since 2009, Android 1.6) and a Ph.D. (Information Systems / mobile applications, Comenius University) plus an M.Sc. in Computer Science (TU Darmstadt). Freelance projects for Telefónica, Deutsche Telekom, Vodafone, Deutsche Bahn (DB Systel), thyssenkrupp, PwC and Spark Networks – from first prototypes to group-wide Android frameworks.

- **Modern Android:** Kotlin, Jetpack Compose, MVVM/MVP, clean modular architecture, Dagger2/Hilt, RxJava; migration of legacy apps to Kotlin.
- **Architecture & leadership:** Android team lead (Telefónica), Android architect (thyssenkrupp, PwC), coaching and conceptual/strategic IT consulting.
- **Hardware & connectivity:** Bluetooth tracing (PwC COVID-19 app), NFC, GPS/location-based services, Wi-Fi device control, handheld terminals for train conductors (Deutsche Bahn).
- **Backend & cloud:** AWS backend architecture (Vodafone), Supabase, REST/SOAP, offline-first synchronisation, SQLCipher encryption, CI with Jenkins.
- **AI-assisted development:** agentic coding tools and AI pair programming (Grok, Grok Bot), LLM integration via REST APIs, AI agents for workflow automation, AI-supported testing and code review, CI/CD.
- **Entrepreneur:** General Manager of Clean Bytes LLC; own live products chain.report, After Landing and Mimo Baby (iOS & Android); 14 Android apps delivered for customer orders.

Skills

Languages	Kotlin, Java, Dart (Flutter), JavaScript / Node.js
Android	Jetpack Compose, MVVM, MVP, UI states, clean modular architecture, Android framework & white-label development
DI / Reactive	Dagger2, Hilt, RxJava, RoboGuice
Cross-platform	Flutter (iOS & Android)
Connectivity	Bluetooth, NFC, GPS / location-based services, Wi-Fi device control, mobile handheld terminals
Backend / Cloud	AWS, Supabase (Auth, database, storage, functions), Firebase Cloud Messaging, REST / SOAP (JSON), real-time & offline sync
Data / Security	SQLite, SQLCipher, file encryption, Sign in with Apple / Google
Integrations	Google Maps / Places, OpenStreetMap (Nominatim), Apptimize, Vuforia, card.io, image pattern recognition
Quality / CI	CI/CD (GitHub, Vercel, Play Console / App Store releases), Jenkins, Robotium, Robolectric, unit / UI test automation, quality assurance, HPROF memory & performance optimisation
AI & Automation	Grok, Grok Bot (AI agents), agentic coding / AI pair programming, LLM integration via REST APIs, agentic workflows & automation, prompt engineering, AI-supported code review & testing
Methods / Lead	Team lead, software architecture, refactoring, coaching, conceptual & strategic consulting, agile delivery (Scrum / Kanban, continuous delivery)

Position

General Manager of Clean Bytes LLC (formerly Chainreport FZCO)
Senior Developer of chain.report (IT systems / tax software company)

Education and Work

IT development

02/2025 – present	Own mobile apps under Clean Bytes LLC: After Landing, Mimo Baby (iOS & Android)
07/2021 – present	Business owner: tax software startup chain.report (https://chain.report)
09/2010 – 07/2022	Freelance Android development project work
09/2010 – 09/2021	CEO of an Android app development agency: softwaresupply.de
09/2010 – present	Android app development for customer orders (14 Android apps)
01/2010 – 05/2010	Android project development in permanent employment

10/2009 – 12/2009	Android development during studies

Studies

10/2013 – 12/2016	Ph.D., Business Management, Comenius University, Bratislava Subject: Information Systems, Mobile Applications
09/2006 – 05/2010	Master of Science, Computer Science, TU Darmstadt (grade: 1.8)
10/2003 – 09/2006	Bachelor of Science, Computer Science, TU Darmstadt (grade: 2.2)

School and Community Service

09/2003	Community service: Arbeiterwohlfahrt, Dreieich
07/2003	High school: Goethe-Gymnasium, Neu-Isenburg (grade: 2.2)

Languages

German	native
English	fluent (negotiation level)

Customers

Telefónica Deutschland Holding, Deutsche Telekom, Vodafone D2 GmbH, Deutsche Bahn AG (DB Systel GmbH), thyssenkrupp AG, PricewaterhouseCoopers GmbH, Buhl Data Service GmbH, Spark Networks AG, Framesoft AG, UZE Mobility GmbH, newfast GmbH, POS Service Group GmbH, EHS Media GmbH, FVG Gewächshausfolien GmbH, Atege GmbH, Seuthe GmbH and various smaller application projects

Projects

chain.report: Tax reporting software for crypto currencies (Clean Bytes LLC, formerly Chainreport FZCO)

Place:	chain.report (owner: Clean Bytes LLC, formerly Chainreport FZCO); https://chain.report
Time:	07/2021 – present
Role:	Founder, Frontend and Mobile Developer
Tasks:	• Founded and manage chain.report, a cryptocurrency tax reporting software. • Develop the frontend (Node.js et al.) of the tax and analytics platform. • AI-assisted development with agentic coding tools and AI pair programming (incl. Grok); AI-supported code review and automated testing as part of quality assurance. • API integration: connection of external services via REST APIs, including LLM integration; automation of recurring workflows with AI agents (Grok Bot). • CI/CD pipelines (GitHub, Vercel) for continuous delivery in short, AI-supported agile iterations (Scrum / Kanban).

Spark Networks AG: Android (Kotlin) – Architecture & Client Reprogramming

Place:	Spark Networks AG, Berlin, Germany
Time:	01/2022 – 07/2022
Role:	Android Developer (Freelancer)
Tasks:	• Re-implemented the existing dating app client with a clean, modular architecture. • Implemented the framework layer using Jetpack Compose, MVVM and UI states.

thyssenkrupp AG: Android (Kotlin) – Architecture & Client Development

Place:	thyssenkrupp AG, Essen, Germany
Time:	02/2019 – 09/2021
Role:	Android Architect and Developer (Freelancer)
Tasks:	• Developed multiple Android applications used on work premises to automate and digitalise processes. • Designed and implemented a group-wide thyssenkrupp Android framework. • Refactored existing client applications.

PricewaterhouseCoopers GmbH: Android (Kotlin) – COVID-19 Tracing Application

Place:	PwC GmbH, Frankfurt am Main (remote), Germany
Time:	03/2020 – 07/2020
Role:	Android Architect and Developer (Freelancer)
Tasks:	• Implemented an official COVID-19 (Corona) Bluetooth tracing application for PricewaterhouseCoopers GmbH for use in several countries worldwide. • Delivered Bluetooth tracing, framework integration and health-state tracking.

Multiple Clients: Android Development (Kotlin) & Conceptual and Strategic Consulting

Place:	1) POS Service Group GmbH, Hausen, Germany 2) UZE Mobility GmbH, Düsseldorf, Germany 3) newfast GmbH 4) softwaresupply, Düsseldorf, Germany
Time:	06/2018 – present
Role:	Developer, Coach, Conceptual Consultant (Freelancer)
Tasks:	• Introduced Kotlin into existing code bases. • Consulted on strategic planning, IT infrastructure and CI. • Refactored a business-to-partner white-label application for mobile service consumers and migrated it to Kotlin. • Restructured and designed an architecture based on MVP and MVVM with automatic presenter and dependency injection (Dagger2 / Hilt). • Implemented the Android cryptocurrency app “Crypto Butler” in Kotlin, integrating a Kotlin framework for automatic Dagger, MVP / MVVM and RxJava injection (clean architecture).

Telefónica Deutschland Holding: Android (Kotlin) Team Lead – Architecture & Refactoring

Place:	Telefónica Deutschland Holding, Düsseldorf, Germany
Time:	10/2017 – 07/2018
Role:	Android Team Lead (Freelancer)

Tasks:
- Led the Android team refactoring a business-to-partner white-label application for mobile service consumers, including the migration to Kotlin.
- Restructured and designed an architecture based on MVP and MVVM with automatic presenter and dependency injection (Dagger2).

Vodafone Group: Android Prototyping / Client Building / Integration

Place: Vodafone D2 GmbH, Düsseldorf, Germany
Time: 10/2015 – 09/2017
Role: Android Developer (Freelancer)
Tasks:
- Implemented feature-based prototypes and client builds for the Vodafone Mobile Wallet.
- Integrated commercial third-party frameworks: Apptimize, Vuforia, card.io and others.
- Implemented a server-side backend architecture based on Amazon Web Services (AWS).
- Implemented authentication of employee badges via NFC and image pattern recognition.

DB Systel GmbH: Android Development

Place: Deutsche Bahn, Silberturm, Frankfurt am Main, Germany
Time: 10/2014 – 06/2015
Role: Software Developer
Tasks:
- Implemented a mobile handheld terminal for train conductors.
- Implemented features for passenger checks, ticket sales, penalty fares and more.
- Implemented graphical and technical modules; integrated quality-assurance tools.

softwaresupply: Android Development / Web Development for Customer Orders

Place: softwaresupply, Dreieich, Germany
Time: 07/2014 – 08/2014
Role: Android Developer, Project Lead (customer order)
Tasks:
- Android app “Vattenfall Cyclassics” (customer: EHS Media GmbH): tracking and service app for a major cycling event.

Framesoft AG: Android Developer – Biological Assets Client, Web Services

Place: Framesoft AG, Frankfurt am Main, Germany
Time: 10/2013 – 06/2014
Role: Android Developer (Freelancer)
Tasks:
- Designed and implemented a synchronised inventory management software (Android).
- Implemented a location-based tracking system / synchronised inventory management system for biological assets such as trees and plants.
- SQLCipher databases, REST / SOAP integration (JSON); designed a backend system for real-time synchronisation of tree assets, works and damages across multiple clients through a sync interface for online and offline mode.
- Set up Jenkins continuous integration with Robotium (automated click tests on a VNC server) and further test automation.
- Design, user interfaces, client building, documentation.

softwaresupply: Android Development / Web Development for Customer Orders

Place: softwaresupply, Dreieich, Germany
Time: 05/2013 – 09/2013
Role: Android Developer, Project Lead (customer orders)
Tasks:
- Android app for detection, measurement and management of vineyards (damage, tasks, GPS route detection, drive and task management, synchronisation) [for the Fuchs vineyard in Flörsheim-Dalsheim].
- Android presentation app for playback of media content for sales representatives: designed and implemented a rights-based, server-synchronised file system with encryption of all files on the devices [for Seuthe GmbH].
- Web application: web shop for a garden wholesaler based on a content management system [for FVG GmbH].

Buhl Data Service GmbH: Android Developer – Banking App

Place: Buhl Data Service GmbH, Neunkirchen (North Rhine-Westphalia), Germany
Time: 05/2012 – 06/2013

Role:	Android Developer (Freelancer)
Tasks:	• Implemented the finanzblick Android app: client building, user interfaces, database model porting, SQLCipher databases, REST / SOAP integration (JSON), sync / web app connectivity, graphical reports, credit cards, loyalty cards, bank data, postings, transfers and more. • Built a continuous integration (Jenkins build server) with Robotium (automated UI tests on a VNC server) and test automation; HPROF memory and performance optimisation. • Implemented a prototype for an NFC-based mobile wallet.

softwaresupply: Android Development / Web Development for Customer Orders

Place:	softwaresupply, Dreieich, Germany
Time:	11/2011 – 04/2012
Role:	Android Developer, Project Lead (customer order)
Tasks:	• App-based control of awnings via a Wi-Fi interface (porting to Android) [for Exclusiv Home GmbH]. • Android app with location-based services (distributed databases, backend systems, GPS services). • Web applications (CMS, web services).

Deutsche Telekom AG / T-Systems: Android Developer – Client Building

Place:	Deutsche Telekom AG, Darmstadt, Germany
Time:	09/2011 – 10/2011
Role:	Android Developer (Freelancer)
Tasks:	• Implemented applications, graphical widgets and UI elements, server connections and authentication protocols, and access to media-based cloud interfaces. • Refactored using continuous integration with Robotium click tests, dependency injection with RoboGuice and JVM mock tests with Robolectric.

Vodafone Group: Android Prototyping / Client Building / Integration

Place:	Vodafone D2 GmbH, Düsseldorf, Germany
Time:	09/2010 – 05/2011
Role:	Android Developer (Freelancer)
Tasks:	• Implemented graphical prototypes and user interfaces, client building and conceptual design. • Connected and integrated the apps into existing backend architectures; implemented user interaction specifications.

axxessio GmbH: Android Development based on Android 1.6

Place:	axxessio GmbH, Darmstadt, Germany
Time:	01/2010 – 05/2010
Role:	Software Developer (permanent employment)
Tasks:	• Implemented project processes, Android frameworks / an application generator and various Android applications (RSS reader, radar trap app). • Presented the Android framework at droidcon 2010 (Berlin, Germany).

Own Products (Self-Developed, Clean Bytes LLC)

Self-developed and published mobile apps of Clean Bytes LLC, available on Google Play and the App Store.

After Landing – community app for airline crews on layover (iOS & Android) · after-landing.com

Time:	02/2025 – present (public release on Google Play: 09/2026)
Role:	Founder, Product Owner & Developer (own product)
Details:	• Verified community for adult airline crews: layover matching by city and time, crew-hotel sharing and reviews, spontaneous meet-ups. • Global, group and direct chats with optional location pins; private mutual-like feature, separate from colleague chats. • Crew-ID verification with privacy-first review workflow (ID photo deleted after the decision or after 30 days); moderation via reporting and blocking. • Stack: Supabase (Auth, database, storage, functions), Firebase Cloud Messaging, Google Maps / Places, Sign in with Apple / Google. • AI-assisted development with Grok and AI agents (Grok Bot); API integration; CI/CD release pipelines (Play Console / App Store); AI-supported automated testing and QA.

Mimo Baby – private parent diary and baby-food app (Flutter, iOS & Android) · mimo.clean-bytes.com

Time:	02/2025 – present (public release on Google Play: 09/2026)
Role:	Founder, Product Owner & Developer (own product)
Details:	• Parent diary for complementary feeding, sleep, diapers, growth, allergies, vaccine doses and medicines; food catalogue with 110+ entries, age windows and allergen notes. • Shared diary for two parents via invite code; on-device PDF export for paediatrician appointments; DE / EN / HU, light and dark mode. • Stack: Flutter / Dart, offline-first SQLite with Supabase cloud sync (database, object storage), Sign in with Apple / Google. • AI-assisted development with Grok and agentic coding tools, prompt engineering; CI/CD release pipelines (Play Console / App Store); automated unit / UI tests and AI-supported code review.

Academic Projects

Master's Thesis / Project Work: Bright Solutions, Darmstadt, Germany (grade: 1.0)
Algorithmic generation of puzzle grids in Java

Time:	07/2009 – 05/2010
Tasks:	• Algorithmic design for NP-hard problem scenarios • Graphical user interface and integration into an SOA architecture • Implementation of a heuristic scanning method

Practical Lab: TU Darmstadt, Department of Telecooperation
Internet applications in Java

Time:	10/2006 – 04/2007
Tasks:	• Integration of a web server • Implementation of an e-mail client • Implementation of an SOA architecture

Bachelor's Thesis: TU Darmstadt (grade: 1.0)
Visualisation of compression algorithms

Time:	01/2007 – 07/2007
Tasks:	• Implementation of compression algorithms • Visualisation and dynamic generation in Java • Use of an encapsulated API • Publication at the ITiCSE 2009 conference

Institute for Graphic Data Processing, Darmstadt
Storytelling-based edutainment

Time:	10/2005 – 02/2006
Tasks:	• Implementation of a 3D edutainment game • Trainings and lectures at the Game Days 2008, Darmstadt

Practical Bachelor Lab: TU Darmstadt (grade: 1.3)
Graphical user interface for a cryptographic library

Time:	03/2005 – 08/2005

Tasks:

- Integration of cryptographic functions from a library (FlexiProvider, Trusted Systems, TU Darmstadt)
- Implementation of graphical user interfaces