

# Hi, I'm Ian!

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I'm a software developer with over 9 years of professional experience - and nearly 20 as a hobbyist. While my core expertise lies in **Android, Kotlin** and **Java**, I've worked in many languages over the years - mostly **Dart (Flutter), JS (Vue.js, React, Node)** and lately **Rust**. I've got experience in both development, lead and architect roles - but mostly excel in roles where I feel my code has direct impact - be it on the final product, the user experience or the productivity of my teammates. I enjoy mentoring and writing, and love giving talks and sharing my knowledge with the community.

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**Skills: ANDROID - KOTLIN - JAVA - JETPACK COMPOSE - KOTLIN MULTIPLATFORM - FLUTTER - VUE. JS - REACT - ARCHITECTURE - MOBILE DEVELOPMENT - JAVASCRIPT - TYPESCRIPT - BACKEND DEVELOPMENT - RUST - DEVELOPER TOOLS - GIT - CI/CD - SDK DEVELOPMENT - MENTORING -**

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## Work experience:

### 2021 - 2023 | Lotus Lambda | Founder & Lead Developer

Started a startup and wore many hats at once, mostly the CEO/CTO role. Product was a crossplatform mobile development framework that enables you to easily develop mobile apps that run native on each platform. Unfortunately had to shut down the company. During my time there I:

- ❑ Built a **language parser, cloud-based IDE and crossplatform framework** for mobile apps
- ❑ Developed **Android SDKs & Backend SDKs** using **Kotlin Multiplatform**
- ❑ Authored extensive documentation for services and libraries
- ❑ Developed and deployed **multiple API's** using Kotlin, **setup CI/CD** to deploy **docker** images to **AWS** and libraries to GitHub Packages
- ❑ Created landing pages, pitch decks and company branding materials
- ❑ Negotiated with clients and investors

### 2020 - 2023 | Contractor | Lead Android Developer

Worked on multiple projects both through an agency and alone. Lead development of 2 mobile apps, mentored multiple engineers and developed internal tools.

#### ● 2020 - 2023 | Contractor | LAQO Mobile App

Lead development of a mobile app for an insurance startup (100% digital insurance), winning 2 regional App of the Year awards. Developed the app from scratch using a **Redux-based architecture** with **Kotlin Flows** and **Coroutines**, **built a custom Forms SDK** to implement and manage dynamic forms, **cross-platform geofencing solution using Kotlin Multiplatform** and a **Android Studio wizard for code generation**. Educated and onboarded junior and mid developers to the project.

#### ● 2020 - 2023 | Contractor | JuHuHu Mobile App

Rewrote a mobile app for the Croatian national TV network (HRT) - it's a netflix-like streaming app for children, with features such as custom profiles, geolocking, chromecast streaming and more. The app was written in **Kotlin** using a **redux-like** architecture.

### 2017 - 2020 | Undabot | Software architect & Android developer

A software agency from Croatia, considered by Clutch to be one of top 1% B2B agencies. Joined the team as a Senior Android Engineer, grew into the Architect position, where I served both as a solution architect and a tech lead for a team of 20+ developers. My time was spent both writing code, mentoring and helping the team, setting up internal processes and communicating with clients.

## Some achievements there:

- ▶ Developed multiple Android apps for both startups and large international corporations, mostly using **Java & Kotlin** with **MVP** and **MVVM** architectures with over **90% test coverage**.
- ▶ Developed both internal prototypes and production apps using Flutter
- ▶ Built and architected robust systems for **scaling, localisation and dynamic feature management**
- ▶ **Cut time-to-delivery** for new features, reduced **build times by over 80%**, refactored critical project areas to enable faster delivery and testing without impacting release schedules
- ▶ Assessed hiring prospects, organised planning sessions with stakeholders, wrote project specifications and proposals, researched and developed prototypes
- ▶ **Performed code analysis** using multiple techniques to pinpoint critical codebase areas and provide data needed to back the technical changes
- ▶ **Improved development processes** and tools across teams, helped teams adopt Kotlin, **built and maintained CI/CD systems**, championed unit-testing practices leading to over 90% code coverage on projects.
- ▶ Wrote Izzy - a kotlin annotation processing library to parse JSON API standards, Unikons - a kotlin library to extend the language with Unions and internal project scaffolding tools to generate code from project templates.

Projects worked on include **A1 Telekom** (large European telecom), **Njuskalo** (largest classifieds service in the region), **24sata** (#1 newspapers in the region), **Wogibtswas.at** (discounts & catalogs apps), **Book & Zvook** (Croatian audiobook store & player written in **Flutter**) and more...

## 2015 - 2017 | Kino.de | Lead Android Developer

Joined the company when it was a tiny startup called **Cinexio**, which got acquired by a german company and turned into **Stroer Media Brands Apps** division.

- ▶ Restructured app architecture with **MVP, SOLID principles and DI** to ensure scalability and maintainability
- ▶ **Introduced GitFlow** model of work & **inter-team Agile** sprints for streamlined delivery
- ▶ **Unified codebase** across countries, regions and markets while leading the redesign process
- ▶ **Established CI&CD pipeline, introduced Kotlin (M13)** on the way to improve development speed
- ▶ **Mentored and recruited** junior and mid-level Android developers
- ▶ **Increased user acquisition over 10x** by guiding successful promotion to GooglePlay's New & Updated category, helping the app get noticed and later acquired
- ▶ **Developed JS swizzling engine** for run-time webview scraping, enabling data harvesting client-side

## 2014 - 2015 | Infinum | Android Developer

- ▶ Delivered successful client apps for a diverse set of clients ranging from startups to corporations using **Java 8** with **MVP** architecture
- ▶ Developed and deployed an NFC feature that allowed customers to quickly connect to Wi-Fi in-stores and apps using BLE to connect to the device to local transmitters
- ▶ Helped develop a tablet POS app by building a secure lock-down mode to block other interactions on the device
- ▶ Established a company meetup community through encouraging internal talks to go public

## Community work

- ▶ Google Developer Group Zagreb co-organiser/organiser (until 2021)
- ▶ GDG Devfest Croatia 2018 conference organiser
- ▶ Android Zagreb Meetup Group co-founder
- ▶ AndroidChat Administrator
- ▶ Over 20 talks given - some can be found on speakerdeck, some on youtube - on Android, Kotlin, Flutter, Architecture and Development in general