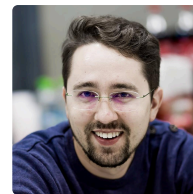# Andrei Diaconu

Senior Android Engineer with 15 years of mobile development experience, delivering 10 high-impact apps with 100M downloads. Experienced team lead with product and startup experience.

Experience

Senior Android Engineer — Microsoft   12/2020 - Present

- Contributed to MDEP, Microsoft's Android-based operating system
- Delivered features to Device Setup Wizard and AOSP Settings apps
- Developed several AI prototypes using ONNX, such as removing unwanted objects from photos or live translations
- Developer Advocate for Surface Duo, delivering 7 talks in 1 year
- Built the dual_screen Flutter package, achieving 6,000 downloads

Senior Mobile Engineer — InvestSuite   05/2020 - 12/2020

- Architected Flutter codebase for white-labeling, enabling 2 new clients
- Build stock browsing functionality with smooth UI at 60 fps
- Used gRPC and protobuf, ensuring constant ticker price updates
- Optimized stock history charting module, improving frame rate by 40%

Senior Mobile Engineer — Rydoo   09/2019 - 05/2020

- Added mileage expense screen which included Google Maps integration
- Added receipt scanner with OCR, improving accuracy by 50%
- Built localization with CI/CD support, reducing deployment time by 3 days
- Optimized app performance using Redux architecture

Founder — PostMuse   02/2019 - 09/2019

- Achieved 100K downloads and 2K subscriptions across Android and iOS
- Used Firebase as backend, RevenueCat and Amplitude for analytics
- Designed UI with Figma, validated through user interviews
- Grew downloads by 20% monthly through new features and experiments

Android Team Lead — Creatubbles   02/2017 - 02/2019

- Coordinated team of 6, building the mobile apps for this social network
- Architected app using MVP and Kotlin coroutines, reducing time to market for new features by 2 days each sprint
- Setup CI/CD with CircleCI, maintaining 95% code coverage on every PR
- Starting with 2018, was promoted to lead both Android and iOS

Senior Android Developer — SaferKid   10/2016 - 04/2017

- Developed child and parent apps with advanced monitoring features, with a crash rate below 1%
- Built monitoring and blocking of websites, apps, calls, and SMS, reducing inappropriate content access by 100%
- Wrote integration tests using Espresso and ran them in Amazon Device Farm on 10 devices at once
- Implemented uninstall notifier using C++, ensuring parents were notified immediately 30% of times

Android Consultant — MiOS   08/2015 - 10/2016

- Improved performance by rewriting architecture using RxJava, achieving 50% faster app boot times.
- Setup CI, git workflows, and conducted interviews for new hires, growing the team to 5 people
- This was an IoT product offering control over any smart switch or device

Contact information

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Skills

Programming Languages

Kotlin, Java, Dart

Libraries & Frameworks

Android, Jetpack Compose, Kotlin Coroutines, RxJava, Retrofit, Dagger, Hilt, Firebase, TensorFlow Lite, ONNX, AOSP, Flutter, Provider, Riverpod, Bloc, gRPC, Protobuf, Jackson, Gson, Room, SQLite

Tools & Platforms

Figma, Git, GitHub, Amplitude, RevenueCat, CircleCI, Jenkins, Android Studio, Visual Studio Code, Postman, JIRA, Trello, Slack, GitHub Copilot, ChatGPT

Soft Skills

Training, Teaching, Public Speaking, Building communities

Education

"Alexandru Ioan Cuza" University

Bachelor of Science in Computer Science, 2008 - 2011

Languages

English, Romanian

Interests

Design, User Experience, Machine Learning, Image processing, Growth hacking