

# Yiğit Eren Büyükeren

Software Developer · Android, Mobile & Backend Systems

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## PROFESSIONAL SUMMARY

Software developer building Android, mobile and backend software end to end. I built an open-source Android app with Kotlin and Jetpack Compose (RideDeck) and a mobile app with its server using React Native and PocketBase (Aile Cüzdanı). I keep logic separate from the platform so it can be tested, document decisions, and do not present anything unverified in the field as verified.

## PROJECTS

### RideDeck

Kotlin, Jetpack Compose, MapLibre · Open source (Apache 2.0) · github.com/yigitbuyukeren/ridedeck

- Android app that turns a phone into a CarPlay-style riding dashboard for motorcycles, cars and bicycles: GPS speedometer, voice-guided navigation with OpenStreetMap and Valhalla, Turkish voice commands. No account or backend of its own; signed v0.4.0 release published.
- Wrote an alpha-beta filter with an outlier gate for GPS speed, plus route matching and re-routing logic, as unit-tested classes separated from Android.
- 396 unit tests; GitHub Actions runs tests, lint and an R8-minified release build. Technical case study and known limitations are documented in the repo.

### Aile Cüzdanı

React Native, Expo, TypeScript, PocketBase, Python · In development, private source

- Shared budgeting app for Turkish families: mobile client, PocketBase backend (access rules, role checks and rate limiting enforced on the server) and a Python scheduler for Expo push notifications.
- 43 append-only database migrations; single-VPS deployment with Caddy HTTPS and backups.
- 206 unit tests and 333 HTTP integration checks against a throwaway PocketBase instance. Not yet published in a store.

### EXIF Cleaner

JavaScript, Node.js · Open source (MIT) · github.com/yigitbuyukeren/exif-temizleyici

- Parses and strips GPS, device and time metadata from JPEG, PNG and WebP at byte level without re-encoding the image data. Dependency-free; the page is locked off the network by a content security policy; command-line tool for batches.
- 38 tests and GitHub Actions.

## OPEN-SOURCE CONTRIBUTION

cleanyourtv #874: example configuration for the Turkcell TV+ 4K Box (SDMC DV6069Y, Android TV 10); merged (Oct 2026), github.com/Gathin23/cleanyourtv

## TECHNICAL SKILLS

|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| <b>Android / mobile</b>       | Kotlin, Jetpack Compose, MapLibre, Gradle, ADB, React Native, Expo, TypeScript |
| <b>Backend</b>                | PocketBase, REST API, Python, JavaScript (Node.js)                             |
| <b>Other</b>                  | Swift (macOS app), Shell, HTML, CSS, Vitest, JUnit                             |
| <b>Tools / infrastructure</b> | Git, GitHub Actions, Linux, Caddy, VPS, Tailscale, Cloudflare                  |
| <b>Networking</b>             | TCP/IP, subnetting, basic routing                                              |

## EDUCATION AND CERTIFICATES

|                                                                   |               |
|-------------------------------------------------------------------|---------------|
| Open Education High School (Açık Öğretim Lisesi)                  | In progress   |
| CCNA: Introduction to Networks (course), Cisco Networking Academy | March 2026    |
| Linux Unhatched, Cisco Networking Academy                         | February 2026 |
| Introduction to Cybersecurity, Cisco Networking Academy           | February 2026 |
| Network Fundamentals Training (CCNA ITN), Bilişim Academy         | February 2026 |
| Network Basics (Ağ Temelleri), BTK Akademi                        | December 2025 |
| Computer Networks (Bilgisayar Ağları), BTK Akademi                | December 2025 |

Certificates are course-completion records; not the full CCNA certification.