

# Anas Houissa

Software Engineer · Mobile & Backend

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## SUMMARY

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Software Engineer specialising in Flutter and Quarkus microservices — shipped two production apps to App Store & Google Play, led cross-service backend migrations, and optimised critical flows by 90%. Experienced with AI tooling, Claude Code, and MCP integration. Thrives in small teams with broad ownership and is actively seeking new opportunities.

## EXPERIENCE

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**Software Engineer** (Promoted from Intern)

Feb 2024 – Present · 16 months

**Uvey by Wecraft** — **Tunis, Tunisia** · **On-site**

*Collaborative accounting SaaS platform (invoicing, treasury, inventory, payroll) serving 10+ companies · Team of 20 engineers*

- Owned the full backend of the **HR management system** across multiple microservices (Quarkus, Java, Kafka, PostgreSQL, MongoDB).
- Led a production migration from “Roles to Scopes” across **10+ microservices**: SQL scripts, JWT scope injection, custom security filters, and MDC injection to enable **distributed tracing across all services** — significantly reducing production troubleshooting time via Kibana.
- Optimised a **critical backend flow from 15s to 1–2s (~90% faster)** — reworked Kafka partitioning, batch processing and consumer concurrency, and replaced repetitive API calls with batched requests.
- Built the **Flutter mobile app from scratch** (BLoC, feature-based architecture): biometric auth, ML Kit document scanner, real-time WebSocket listener, offline file upload queue with auto-retry, and file transfers.
- Set up the full **CI/CD mobile pipeline** with Fastlane and GitLab CI — automated deployments to App Store & Google Play, Firebase App Distribution, Crashlytics, and Analytics.
- Built a **fintech mobile app from scratch** and shipped it to App Store & Google Play, backed by distributed microservices; authored Dockerfiles and Docker Compose configs and managed GCP resources (Cloud Storage, VMs).
- Mentored **2 Flutter interns and 1 backend intern**, supporting onboarding, code reviews, and day-to-day guidance.
- Fixed production bugs across the full stack — from web frontend issues to backend services.

**Software Engineer Intern**

Jun – Sep 2023 · 3 months

**3S Spring Services & Solutions** — **Bizerte, Tunisia** · **Hybrid**

- Built an **inventory management Android app** (Kotlin, XML, PostgreSQL) with QR code scanning, HR, sales, and purchase modules; wrote unit and integration tests.

## PROJECTS

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**MySaiph** · 2024 · *Team project*

*Flutter · Dart · GetX · Firebase*

- Contributed to a **gamified professional development app** for pharmacists and pharmacy technicians across Tunisia — quiz mechanics, mini-games, a points/rewards engine, and push notifications.
- Achieved **100+ downloads, 20% month-over-month active user growth, 77% day-1 retention**, and **1h 7min average session time** within the first few months post-launch.

**Free Blood Adventure** · 2024 · *Freelance Client Work*

*Flutter · Dart · GetX · Firebase · ML Kit*

- Flutter mobile game deployed as a **neuro-marketing tool** at a medical congress; integrated ML Kit for real-time image recognition.

**Taktak** · 2023 · *Team project*

*Kotlin · SwiftUI · ExpressJS · MongoDB · Socket.io · Docker*

- Dual iOS/Android **service provider marketplace** connecting clients with freelancers; featured real-time messaging via Socket.io. [Android](#) · [iOS](#) · [Backend](#)

**Yazz** · 2022 · *Freelance Client Work*

*Android · Java · Bluetooth (BLE)*

- Android app for sending and receiving data via Bluetooth, built to interface with an insulin shot monitoring device. [GitHub repo](#)

TECHNICAL SKILLS

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|----------------|---------------------------------------------------------------------------------------------|
| Mobile         | Flutter (BLoC, GetX), Android (Kotlin, Java, XML), Bluetooth (BLE), Firebase, Fastlane      |
| Backend        | Quarkus, Java, Node.js, Kafka, REST APIs, Microservices, JWT, Security Filters, MDC, Kibana |
| Databases      | PostgreSQL, MongoDB                                                                         |
| DevOps & Cloud | Docker, GitLab CI/CD, GCP (Cloud Storage, VMs), Firebase App Distribution                   |
| AI & Tooling   | Claude Code, MCP integration, AI tooling & agent workflows                                  |
| Languages      | Java, Kotlin, Dart, Python, SQL                                                             |
| Other          | Git, REST API design, Distributed Tracing                                                   |

SPOKEN LANGUAGES

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Arabic (native)    French (fluent)    English (fluent)

EDUCATION

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|----------------------------------------------------------------------------|------------------------------------------|
| Computer Engineering Diploma                                               | 2021 – Jan 2025                          |
| École Supérieure Privée d'Ingénierie et de Technologies (ESPRIT) — Tunisia |                                          |
| Applied License in Telecommunications                                      | 2017 – 2021    ISET'Com — Tunis, Tunisia |