

# Lead Engineer - Tech Lead

Moe Hegab

+49 157 58167515 | emad.hegab@gmail.com | linkedin.com/in/mehegab  
Berlin, Germany

MH

## EXPERIENCE

### Tech Lead

Smartbroker 12/2023 – Present Berlin

- Led technical direction and ownership for the Core domain across 4 platforms — iOS, Android, Web, and Backend.
- Introduced DPoP authentication and AI-era development guardrails, reducing production defects by **92%** and infrastructure costs by **20%**.
- Architecture modernization and Mobile DevOps adoption increased capacity by **4x** and cut merge cycle time by **40%**.

### Mobile Team Lead

Smartbroker 04/2022 – 12/2023 Berlin

- Within the **first 8 months**, designed and launched a modular mobile platform architecture adopted across iOS and Android.
- Established technical foundations with no prior infrastructure — set up **6 Mac-minis on-premise**, enabling daily delivery to QA.
- Built Core domain SDKs adopted by **4 internal teams**, directly accelerating delivery velocity.

### Lead Mobile Engineer

NA-KD 07/2021 – 03/2022 Remote

- Built NA-KD's mobile engineering function from the ground up, growing the team to **3 engineers**.
- Led modularization of a monolithic codebase into **13 modules** and doubled release frequency from bi-weekly to **weekly**.

### Mobile Team Lead

Verimi 01/2020 – 06/2021 Berlin

- Inherited legacy app generating **4 production incidents/month**; full re-architecture dropped incidents to **fewer than 1 every 2 months**.
- Eliminated memory leaks and applied lazy-loading optimizations, cutting crash rate by **88%**.

### Senior Developer

Zalando SE 01/2019 – 12/2019 Berlin

- Built mobile foundation for Zalando's Merchant Operations 2020 initiative.
- Engineered a custom Go CLI to migrate **40 TB of merchant data** with **zero downtime**.
- Coordinated cross-functional dependencies across **6 internal teams** to ship core iOS features.
- Integrated Keycloak auth and built PDF services (Scala Play, Spring Boot) — reduced on-call from **weekly to once every 3 months**.

### iOS Developer

Zalando SE 01/2016 – 12/2018 Berlin

## SUMMARY

Lead Engineer & Tech Lead with ~20 years across mobile and backend. Work best where product complexity is high, reliability matters, and teams need clear technical direction. Strong focus on iOS architecture, platform evolution, and helping engineers do their best work. Applying agentic engineering to streamline developer workflows and accelerate SDLC. Pioneered DPoP-based authentication at scale. Background spans fintech, ecommerce, SaaS, and startups. Based in Berlin with German work rights; open to Principal iOS Engineer and Tech Lead roles across Europe.

## EDUCATION

### BSc. Computer Science

Cairo University

Egypt

## SKILLS

Swift | SwiftUI | UIKit | KMP | Agentic engineering | CI/CD & a  
Fastlane | Mobile DevOps | MVVM & VIPER | Clean Architecture  
TDD | Technical leadership | Mentoring & hiring | Ruby  
Bash | macOS & Ubuntu | REST & GraphQL | SDLC

## LANGUAGES

Arabic — Native

English — C1

German — B1

## CITIZENSHIP

Egyptian

German

## PROJECTS

Apps By Hands

XNox

Open Source 

- Developed Movmnt iOS app; contributed to launching Zalando Beauty in **2 months**.

### **iOS Developer**

**Shopbox ApS** 02/2015 – 12/2015 Copenhagen

- Delivered iOS POS app in **3 months** (vs. 6-month estimate); grew customer base from **2 to 200 merchants in 10 months**.

### **Various Engineering Roles**

**Startups & Agencies** 2005 – 2014 Cairo & Remote

- Delivered mobile, web, and backend systems for Pfizer, telecom operators, and an enterprise hospital; mentored **2 junior developers**.