# Abdulaziz Karam

**Developer and Pentester** · Kuwait

## Summary

Information security specialist and developer in Kuwait. More than five years building mobile banking at Boubyan Bank before moving into security at Mada Kuwait. Sole engineer on two production Spring Boot backends, author of the open-source WormaCeptor toolkit, and first place at the 2021 Kuwait National CyberSecurity CTF.

## Experience

### Information Security Specialist

Mada Kuwait · Oct 2026 – Present

- Run vulnerability assessments and penetration tests (VAPT), follow findings up and verify fixes before closing them.

### Senior Frontend Engineer, Android

Boubyan Bank · May 2021 – Sep 2026

- Built the Android client of the mobile banking app and designed the REST contracts it consumes with the backend team.
- Owned mobile security hardening: biometric authentication, KeyStore-backed encrypted storage, certificate pinning, session and token handling.
- Drove Jetpack Compose adoption: new screens Compose-first, the legacy XML codebase migrated in steps.
- Shipped 15+ independently testable feature modules in a year and mentored three engineers through code review.

### Freelance Developer

Karam Chalet · 2025 – 2026

- Sole engineer on a full rebuild of the chalet booking platform: Spring Boot 3 and Kotlin behind a Next.js front end.
- Payments through MyFatoorah with HMAC-verified webhooks and reconciliation jobs; pessimistic locking so two guests cannot book the same dates.
- JWT and OTP sign-in with rate limiting, a role-based admin panel, PDF receipts, scheduled reminders and a WhatsApp inquiry bot.

## Skills

**Mobile**

Android · Kotlin · Jetpack Compose · iOS · SwiftUI · Flutter

**Web**

Next.js · TypeScript · React · Astro

**Backend**

Spring Boot · REST APIs · MySQL

**Security**

Web & API pentesting · Android app testing · Burp Suite · Reverse engineering · Social engineering

## Security

### 1st place, Kuwait National CyberSecurity CTF

2021 · CyberTalents

### Hack The Box DANTE Pro Lab

2021 · 14 machines, 26 flags

### 10th place, CyberTalents Kuwait

Overall ranking

### 8th place, Coded CTF Kuwait

CTF

### IWD Deloitte CTF, KOC CTF

Participant

### OSCP certification exam

2020 · Attempted

**Freelance Developer** Punch! · 2024

- Led the revamp of the loyalty-card product: a Flutter app, a Next.js site, and a backend split into two Spring Boot and Kotlin services over a shared MySQL schema.
- Push notifications, Excel and PDF report export, dashboard aggregations and rate limiting for merchants.

**Freelance Developer** Karam Chalet · 2017

- First version of the booking and availability system in React Native and Express.js, with an admin panel, automated receipts and reminders.

## Projects

**WormaSounds** Developer · 2026

macOS menu bar app that gives every app its own volume, output and effects, with no audio driver to install.

Swift · SwiftUI · Core Audio

**WormaCeptor** Creator & Maintainer · 2026

An open-source, modular Android debugging toolkit and network inspector.

Kotlin · Jetpack Compose

## Publications

**Social Engineering, Insider Threats, Advanced Spear Phishing**
2020 · Abdulaziz Karam & Zainab BuSakher

**Teaching Code in School: Necessary or a Waste of Time?**
2017 · Abdulaziz Karam

**Artificial Intelligence in Health Care**
2017 · Abdulaziz Karam

## Education

**BSc Computer Science**
American University of Kuwait · 2015 – 2020

## Languages

| | |
|---|---|
| Arabic | Native |
| English | Professional |

## Contact


Email
wormadev@gmail.com

Phone
+965 5522 0154

Site
worma.dev

GitHub
github.com/azikar24

LinkedIn
linkedin.com/in/abdulaziz-karam-wormadev


## Contests

**Gulf Programming Contest (GPC)**
2018 · Participant

**ACM KCPC and ACPC**
2017 · Participant

**IEEEXtreme 11**
2017 · Participant