

Elias Shallouf

Lead Full-Stack Engineer with 6+ years of experience building high-performance systems. I excel at leading international teams to deliver scalable solutions, with a deep specialization in **Java Spring Boot microservices**. My expertise in **core Java** is proven by my master's thesis, where I built a full Java ORM from scratch. My skills span the full development lifecycle, from **UI/UX design** to modern Apps development, ensuring a cohesive and high-quality product from concept to launch.

WORK EXPERIENCE

Next Global Technology, Saudi Arabia, Remote

Senior Software Engineer, Night Shift - Freelancer | DEC 2023 - Present

Lead Software Engineer, Full-time | APR 2022 - SEP 2023

- Led the successful **integration with ZATCA (E-invoicing)**.
- Boosting app utilization and revenue by 500% through the implementation of strategic client-focused features..
- Leading the development team (3-5 members).
- Proactively analyzed client concerns and collaborated with developers to implement effective solutions.
- Actively participated in strategic planning with the CEO to develop new features that enhanced user satisfaction.

Senior Software Engineer, Full-time | FEB 2021 - APR 2022

- Successfully developed, and maintained both desktop (Java, Swing) and Android versions of the MAS.N Accounting App.
- Created and customized Jasper Reports to generate accurate and informative financial reports for the desktop application.
- Implemented scripting solutions using Java-based template engines (beanshell, velocity).

Mostaqil, Remote — Freelance Software Developer

DEC 2019 - MAR 2023

Led projects to modernize and enhance apps for clients in the MENA region. Implemented UI/UX improvements, developed custom features, and integrated with various APIs and frameworks. Successfully delivered projects that meet client requirements and improved user experience.

Faculty of Information Technology / Homs University, Contract — Software Engineering Lecturer

FEB 2023 - SEP 2025

Effectively communicated complex technical concepts, provided personalized guidance, and created engaging learning environments, Guided students in mastering advanced programming concepts.

CONTACT INFORMATION

Location: Tartus, Syria.

Open to work remote and relocation.

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[GitHub/EliasMShallouf](https://github.com/EliasMShallouf)

[UI/UX Portfolio/Dribbble](https://uiuxportfolio.dribbble.com/)

DEVELOPMENT STACK

Android

- **Technologies:** Java, Kotlin, Jetpack Compose.
- **Development Tools:** Android Studio, Android SDK, Gradle.
- Clean Architecture, MVVM, MVI.
- **Data Management:** Room, Realm, Pure SQL.
- **Networking:** Retrofit, REST API Integration, Socket.io, Agora.
- Coroutines, Push Notifications.
- **Libraries:** ViewModel, RxAndroid, Flow, LiveData, Navigation, Paging, Glide, Firebase, Maps API, FCM.

Back-end Development

- **Languages:** Java, Kotlin, Javascript.
- **Frameworks:** Spring MVC, Spring Boot, Ktor, Node.js.
- **Technologies:** REST API, Web Sockets, Web RTC, View Engines, JWT, Basic Auth, OAuth, Middleware, MVC, ORM.
- **Microservices:** Eureka Discovery Server and Client, API Gateway, Circuit Breaker, Load Balancer, Hystrix, Open Feign, Config Server, RabbitMQ, gRPC, Rate Limiting.
- **Databases:** SQLite, MySQL, SQL Server, PostgreSQL, NoSQL, MongoDB.

Others

- **UI/UX Design:** Adobe XD, Figma, User Centered Design, Material Design, Web Design, 8-pt design system, Glassmorphism, Prototyping, Mockups, UX Writing.
- Agile Methodology, Design Patterns.
- Version Control: Git, Github.
- **Front-end** (Familiar): React, Angular, HTML, CSS, JS, ES6, JQuery, DOM, BOM, Bootstrap.

EDUCATION

Master's (MSc) in Software Engineering, Homs University

During my master's studies, I have researched a variety of ORM frameworks, evaluating their advantages and disadvantages. Using this comprehensive analysis, I was able to conceptualize and develop a new **Java ORM** that addresses common pain points. This ORM, built using a modern **fluent API** for improved readability and harnesses **annotation processors** to generate code, enabling developers to write less and more secure code.

JAN 2022 - Present

Bachelor's in Software Engineering, Homs University.

Top 5% of my class with 81% average rate.

SEP 2016 - SEP 2021

SELF PROJECTS

Makan (Under Development)

- **Android App:** Currently developing a travel assistant application that helps users find camping, swimming, and dining locations.
- **Tech Stack:** Jetpack Compose, Retrofit, Room, Navigation, Paging, MVVM, Ktor, Ktorm
- **Focus:** User-friendly interface with search and filtering functionalities.

SQL Tableau (Under Development)

- **Android App:** Building a mobile database management tool for developers.
- **Tech Stack:** JDBC, Kotlin, Android, Reflection.
- **Focus:** Offering powerful tools to manage databases on the go (mention intended functionalities).

SyrianMedCare© (Graduation Project, 2021).

- **Android App:** Developed a healthcare application for remote appointments, doctor search, medical news, and AI-powered symptom prediction.
- **Tech Stack:** Android, AI, Machine Learning (Classification), Retrofit, RxAndroid, Room, Caching, Navigation, Paging, Node.js, MongoDB, JWT Authentication, Socket.io, UI/UX (Figma)
- **Impact:** Enhanced healthcare accessibility for Syrian users through remote services and AI-powered assistance.

IT Homs (University 4th Project, 2020).

- **Android App:** Designed an application for Homs University students to access lectures, grades, and attendance electronically.
- **Tech Stack:** Android, Retrofit, Paging, PHP, MySQL.
- **Focus:** Improved student efficiency by streamlining access to academic information.

VOLUNTEERING

Software Development Mentor, ICT Incubator in Homs

AUG 2022 - NOV 2023

Helping and teaching the groups (2-6 members) inside the incubator the right way to analyze and build a modern, effective, secure and good user centered design software projects.

LANGUAGES

Arabic, native.

English, B2, professional.

SOFT SKILLS

Fast Learning, Self Motivation, Time Management, Knowledge Sharing, Academic and Practical Work Experience, Problem Solving, Leadership, Mentoring, Eye Catching for Fine Details, Encourage the Team to Progress.