

# Ali Shoumar

SOFTWARE DEVELOPER

Beirut - Lebanon

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## Summary

Software Developer passionate about building scalable and maintainable software, with a strong interest in Devops.

## Work Experience

### FOO SAL

Beirut, Lebanon

SOFTWARE DEVELOPER INTERN (ANDROID/JAVA)

Jun. 2024 - Sep. 2024

- Developed an Android application following the clean MVVM architecture, consuming third-party REST APIs.
- Conducted research on Spring's Aspect Oriented Programming (AOP) for Android implementation and its potential benefits.
- Learned and applied unit testing fundamentals, including test doubles, Mockito, and JUnit.
- Created custom, reusable views for an in-house framework.

## Education

Masters in Management Information Systems (MIS) - Lebanese University

Sep. 2025 - Present

Intelligence Systems, Client Server, Multimedia Systems

B.S. in Computer Science - Al Maaref University

Sep. 2021 - Feb. 2025

Data Structures, Algorithms, OOP, BlockChain, Software Architecture

## Skills

**Programming** Java, Python, JavaScript, TypeScript, Kotlin

**Backend** Linux, SpringBoot, Hibernate, Spring Cloud, Eureka, RabbitMQ, KeyCloak, MySQL, Docker, Kubernetes, Swagger

**Frontend** HTML, CSS, Angular, RxJS, SCSS, Android(XML & Compose)

**Languages** Arabic(Native), English(Fluent)

## Projects

### Personal Portfolio | [GitHub Repository](#) | [Demo](#)

Typescript, Angular, RxJS, HttpClient, SCSS

- Developed a dynamic personal portfolio using Angular with maintainable SCSS styles structured according to the BEM methodology.
- Developed a custom HTTP interceptor to mock backend responses, supporting configurable delays, errors, and persistence.
- Implemented CI/CD pipeline using GitHub Actions to automate Docker containerization, image publishing to Docker Hub.

### Banking Microservices | [GitHub Repository](#)

Java, Spring Boot, Spring Cloud, RabbitMQ, Hibernate, MySQL

- Modernized banking via Spring Boot microservices resolving monolithic scaling/deployment bottlenecks.
- Centralized configs via Spring Cloud Config (backed by GitHub) and automated updates using RabbitMQ.
- Containerized services with Jib/Docker and orchestrated locally via Docker Compose.
- Implemented Eureka for auto registration and Feign for interservice communication.
- Unified entry via Spring Cloud Gateway (Keycloak auth with JWT, dynamic routing).
- Applied circuit breakers, retries, and rate limits (Resilience4j + Redis) to reduce downtime.
- Set up logging, metrics, and tracing via Loki & Grafana, Prometheus & Micrometer, OpenTelemetry & Tempo.
- Triggered SMS delivery via Twilio using event-driven messaging with Spring Stream and RabbitMQ.

### VaultPic: A Privacy-Focused Photo Management Solution | [GitHub Repository](#)

Android, Kotlin, Dagger-Hilt, CameraX, Firebase, Coil, GitHub Actions, Navigation Component

- Built biometric-protected gallery app using Clean MVVM supporting secure photo storage (internal/external) across Android 9- and 10+.
- Integrated CameraX, AES encryption, and biometric authentication.
- Developed a secure Coil fetcher with LRU-cached decryption (1/8th heap), 344px downsampling, and RGB\_565 decoding, reducing memory usage by 42.8% at peak (350MB → 200MB) and 34.7% on average (245MB → 160MB) for encrypted media grids.
- Developed security checks in C++ (root, emulator, system integrity) using JNI bindings and integrated with RootBeer (Kotlin).
- Documented native APIs using Doxygen and set up CI/CD pipelines with GitHub Actions for automated docs generation and deployment.

### AI-POWERED LANDMARK DETECTION | [GitHub Repository](#)

Integrated a pre-trained TensorFlow Lite model into an Android app, leveraging the camera for landmark recognition and optimizing performance by processing 1 frame out of every 60.

## Certificates

2023 **LCPC**, Lebanese Collegiate Programming Contest