

Ali Shoumar

SOFTWARE DEVELOPER

Beirut - Lebanon

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Summary

Software Developer passionate about building scalable and maintainable software. Currently learning ASP.NET and exploring DevOps tools.

Work Experience

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Sin el Fi, 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, C#, JavaScript, TypeScript, Kotlin

Backend

Linux (Main OS Fedora), DotNet Core, EF Core, Identity, Spring Boot, Hibernate, Spring Cloud, MySQL, Docker

Cloud

IAM, EC2, ELB, RDS (Theoretical knowledge, preparing for AWS Certified Developer Associate certification)

Frontend

HTML, CSS, Angular, SCSS, Android(XML & Compose)

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