

Ali Shoumar

SOFTWARE DEVELOPER

Beirut Lebanon

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Summary

Motivated Computer Science graduate looking for an internship or junior software developer role. Hands on experience building backend systems and native mobile apps with JVM technologies.

Skills

Programming Languages	Java, Kotlin, C++, JavaScript
Backend Development	Spring Boot, Hibernate, MySQL, Rest api, Postman, Swagger
Microservices & Cloud Native	Spring Cloud, Docker, Github Actions, linux, Rabbitmq (amqp)
Android Development	Jetpack Compose, Android SDK, Coroutines, Flows, Navigation Component, Retrofit, Dependency Injection
Languages	Arabic (Native), English (Fluent)

Experience

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Jun 2024 – Sep 2024

SOFTWARE DEVELOPER INTERN

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- Built Android applications using Jetpack libraries and implemented Clean Architecture (MVVM, Repository pattern).
- Explored and applied AOP (Aspect-Oriented Programming) for modularizing cross cutting concerns like logging and debugging.
- Developed demo apps and custom UI components, managing app themes to ensure consistent UX.
- Applied unit testing practices and contributed to improving code reliability by identifying and resolving bugs.

Projects

Banking Microservices Project | GitHub Repository

JAVA, SPRING BOOT, SPRING CLOUD, RABBITMQ, SWAGGER, GITHUB CONFIG SERVER, MYSQL

- Developed RESTful microservices for basic banking operations (Accounts, Loans, Cards) with well-documented APIs using Swagger/OpenAPI.
- Centralized configuration management with Spring Cloud Config Server backed by a version-controlled GitHub repository.
- Automated configuration updates via webhooks and RabbitMQ (Spring Cloud Bus), enabling real-time refreshes without downtime.
- Containerized services using Google Jib for efficient Docker image builds; orchestrated local deployments with Docker Compose.
- Implemented Eureka server for automatic service registration and discovery; enabled internal communication with Feign clients.
- Integrated Spring Cloud Gateway as a centralized API gateway with dynamic routing and correlation IDs for end-to-end request tracing.
- Ensured fault tolerance with Resilience4j, implementing Circuit Breaker, Retry, and Rate Limiting backed by Redis configuration.
- Established centralized logging and monitoring using Loki Alloy and Grafana; instrumented metrics collection with Prometheus and Micrometer.
- Enabled distributed tracing with OpenTelemetry and Tempo, improving observability and root cause analysis across microservices.

VaultPic: A Privacy-Focused Photo Management Solution | GitHub Repository

ANDROID, KOTLIN, DAGGER-HILT, CAMERA-X, 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.

Certificates

Lebanese Collegiate Programming Contest (LCPC), Collaborating with a team under pressure to solve complex

Sep 2023 algorithmic challenges. Gained hands-on experience in problem-solving, data structures, and teamwork in a high-pressure environment.

AUB

Education

Al Maaref University

Beirut Lebanon

B.S. IN COMPUTER SCIENCE

Sep 2021 - Feb 2025

Data Structures, Algorithms, OOP, BlockChain, Software Architecture