

Ali Shoumar

Software Developer

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Summary

Computer Science graduate with solid experience in Java and Kotlin development. Actively seeking an internship or junior role to apply my skills and gain real world experience.

Skills

- **Programming Languages:** Java, Kotlin, C++, JavaScript, Python
- **Backend Development:** Spring Boot, Hibernate, MySQL, REST API, Postman, Swagger
- **Microservices & Cloud Native:** Spring Cloud, Docker, GitHub Actions, Linux, RabbitMQ (AMQP)
- **Languages:** Arabic (Native), English (Fluent)

Experience

Software Developer Internship, FOO – Sin El Fil, Lebanon June 2024 – Sep 2024

- Developed Android applications using Jetpack libraries with Clean MVVM Architecture.
- Researched Spring AOP adaptation for Android/Kotlin to enable modular logging.
- Created custom UI components and managed app themes to deliver consistent user experiences.
- Improved code reliability through learning unit testing practices.
- Collaborated with team using Slack and GitHub for task coordination and version control.

Projects

Banking Microservices: Java, SpringBoot, SpringCloud, Docker Github Repository Link

- 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: Android, Kotlin, Dagger-Hilt Github Repository Link

- Developed biometric-secured gallery app using Clean MVVM architecture, supporting encrypted storage
- Integrated CameraX with AES-256 encryption and biometric authentication for media protection
- Optimized memory usage by 42.8% (peak) via custom Coil fetcher with LRU-cached decryption (1/8th heap), 344px downsampling, and RGB_565 decoding
- Implemented low-level security checks in C++ (root/emulator detection) via JNI, enhanced with RootBeer
- Automated CI/CD pipeline (GitHub Actions) with Doxygen documentation generation for native apis.

Certificates

AUB, Lebanese Collegiate Programming Contest (LCPC) Sep 2023

Education

Al Maaref University, BS in Computer Science Sep 2021 - Feb 2025