

ANTHONY MASSAAD

Java Developer · Full-Stack Software Engineer

Lebanon | +961 76 790 367 | anthonymassaad0@gmail.com | [Anthony_Massaad_LinkedIn](#) | [Anthony_Massaad_Github](#)

CAREER OBJECTIVE

Full-stack software engineer with over two years of production experience building and operating end-to-end systems across frontend, backend, databases, and infrastructure. Hands-on expertise designing and implementing production-grade RESTful APIs and microservices using Java and Spring Boot , including RESTful service design ; deployed behind Linux/Nginx/Docker/CI-CD pipelines. Also brings strong frontend depth (React/Next.js) and cross-platform mobile (Flutter), enabling full end-to-end ownership.

PROFESSIONAL EXPERIENCE

Software Engineer — Full-Time

[Mediterranean Oil Shipping & Transportation Co. \(MEDCO\)](#)

Jun 2025 – Present

- Design and implement production RESTful APIs and backend services using Java and Spring Boot (Spring MVC, Spring Data JPA, Spring Security), supporting both the web platform and companion mobile apps.
- Build and maintain full-stack web applications with a focus on SSR/SSG optimization via Next.js, performance, and accessible, responsive UI.
- Develop cross-platform mobile applications using Flutter and React Native for internal operations teams and client-facing use cases.
- Own infrastructure end-to-end: provision and configure Linux VMs, set up Nginx as a reverse proxy, containerize services with Docker, orchestrate workloads with Kubernetes, and maintain CI/CD pipelines for repeatable, low-risk deployments.
- Monitor, debug, and optimize production systems, diagnosing performance bottlenecks and reliability issues under real operational load.
- Translate shipping and logistics operational requirements directly into shipped backend features, balancing delivery speed with clean, maintainable architecture.

Software Engineer — Part-Time

[Mediterranean Oil Shipping & Transportation Co. \(MEDCO\)](#)

Jun 2024 – May 2025

- Contributed backend and frontend features to internal web platforms, working across the stack including Java-based REST API development and Spring Boot service integration.
- Developed and maintained cross-platform desktop and mobile applications, transitioning manual company processes into structured software tools.
- Maintained and optimized previously deployed software tools, improving reliability and performance for daily operational use.
- Built deep familiarity with the company's systems and codebase, forming the foundation for the subsequent full-time role.

Computer Engineering Intern

[Mediterranean Oil Shipping & Transportation Co. \(MEDCO\)](#)

Jun 2023 – Aug 2023

- Developed frontend and backend components for internal web applications, including REST API integration between frontend interfaces and Java backend services.
- Implemented client-server communication and API integration, gaining first hands-on experience with production backend development under senior engineer guidance.

-
- Supported development, testing, and debugging of full-stack application components.

FEATURED PROJECT — AI / COMPUTER VISION Eye

Tracking: Image Sensors vs. Sensor & Processing Unit

Final Year Capstone — USEK, in partnership with Oculi.ai 2025

- Designed, trained, and evaluated two real-time computer-vision pipelines, a conventional frame-based pipeline (OpenCV) and an event-based Sensor & Processing Unit pipeline (Oculi SDK), for gaze-based, hands-free control.
- Trained YOLO/CNN models on custom-annotated datasets using hyperparameter tuning, data augmentation, and early stopping to maximize detection accuracy.
- Converted models to ONNX and deployed both pipelines on Raspberry Pi 5 edge hardware, achieving **27.93 ms end-to-end latency** and **2.72 px pupil-center error** , vs. 257 ms for the frame-based baseline.
- Delivered a working hands-free gaze-controlled prototype presented to industry partner Oculi.ai.

EDUCATION

Bachelor of Engineering in Computer Engineering

2020 – 2025

Holy Spirit University of Kaslik (USEK)

Baccalaureate in General Sciences

Graduated 2020

Notre Dame des Apôtres, Kab Elias

TECHNICAL SKILLS

Languages	Java, TypeScript, JavaScript, Python, Dart, PHP, C++
Backend / Java	Spring Boot, Spring MVC, Spring Data JPA, Spring Security, REST API design, Node.js, Microservices
Frontend	Next.js (SSR/SSG), React, React Native, Flutter, HTML5, CSS3
AI / ML	YOLO, CNNs, OpenCV, model training & optimization, ONNX deployment
Databases	Oracle, MySQL, PostgreSQL, MongoDB, Redis
DevOps & Infra	Docker, Nginx, Kubernetes, Linux VM setup, CI/CD, Git, SSH, SSL/TLS

LANGUAGES

English (Fluent) · French (Fluent) · Arabic (Advanced)