

Mhamad Taan El Itawi

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Summary

Tech Lead and Senior Backend Engineer with 9+ years of experience building and scaling high-traffic marketplaces and cloud-native systems. Specialized in backend architecture, cloud cost optimization, distributed systems, and leading cross-functional engineering teams. Proven record of delivering scalable platforms, reducing infrastructure costs, and owning systems end-to-end in production.

Education

Master of Business Administration **2019-2021**

Saint Joseph University | IAE Paris Sorbonne Business School | Paris Dauphine – PSL

Master of Engineering in Computers & Telecommunications **2012-2017**

Antonine University

Professional Experience

Lyxa | Backend Tech Lead

JAN 2026 - PRESENT | LEBANON (REMOTE)

- Led the backend team for a grocery and food delivery platform, driving architecture decisions and ensuring high-quality delivery across services
- Contributed to the safe transition from monolithic architecture to microservices (V2), improving scalability and system modularity
- Optimized multiple APIs, improving response times by up to 30x and enhancing overall system performance
- Conducted code and architectural reviews to enforce best practices, maintain code quality, and ensure system reliability through enhanced logging and monitoring.
- Introduced and currently executing a cost optimization strategy projected to reduce infrastructure expenses by around \$50,000 annually
- Main stack: Typescript - Mongo - GCP - Kubernetes - Redis - RabbitMQ

Eddress | Tech Lead / Senior Software Engineer

JUL 2023 – MAY 2026 | LEBANON (REMOTE)

- Led backend and integration teams for a marketplace and delivery management system
- Reduced infrastructure and hosting costs by \$120,000+ annually
- Designed, implemented, and maintained 20+ third-party integrations (payments, logistics, messaging, external services)
- Oversaw the cloud migration from GCP to AWS in collaboration with an external partner
- Optimized backend services to reduce resource usage and improve scalability
- Refactored core modules to improve performance, maintainability, and reliability, while enhancing traceability, logging, and monitoring across backend services

- Acted as solution architect and technical bridge between engineering and management
- Main stack: Spring boot Java - Kotlin - Mongo - MySQL - Redis - Datadog - RabbitMQ - Kubernetes - Cloudflare - Docker - AWS - GCP

Intalio | Tech Lead / Senior Software Engineer

MAR 2022 - JUN 2023 | LEBANON-FRANCE (HYBRID)

- Led multiple technical units across SaaS and microservices-based products
- Led and delivered projects with a combined value of approximately \$2M, coordinating technical execution, timelines, and stakeholders
- Designed and delivered the core microservices architecture within the first month
- Containerized Intalio products and standardized deployment and CI/CD pipelines
- Led and delivered medical and data management solutions from scratch
- Supported and maintained 10+ production systems
- Owned AWS infrastructure and DevOps practices
- Main stack: Java - .NET - Mongo - SQL Server - MySQL – Postgres - Kafka - Azure - AWS – Docker

Hicart.com | Software Engineer

FEB 2018 – APR 2022 | LEBANON (HYBRID)

- Led the design and evolution of the Delivery Management System (DMS) handling all e-commerce orders, driver coordination, tracking, and reporting
- Architected and enhanced backend services using Java Spring Boot, supporting high traffic and business-critical operations
- Ensured system stability and availability during major sales campaigns, including \$1.6M (11/11/2018) and \$3M (11/11/2020) single-day sales events
- Refactored and restructured the DMS to improve scalability, performance, and fault tolerance
- Designed and implemented APIs consumed by Android applications and third-party services
- Led integrations with multiple logistics and messaging providers
- Managed CI/CD pipelines and cloud infrastructure across GCP and AWS
- Played a key role in expanding the DMS internationally, including launching Egenie DMS in Iraq
- Main stack: Spring boot Java - AngularJS - MySQL - Cloudflare - Docker - AWS

Garageco | Part-Time Software Engineer

JAN 2021 – SEP 2021 | KUWAIT (REMOTE)

- Owned and maintained backend services for an automobile marketplace platform
- Migrated backend architecture from raw Java Servlets to Spring Boot, improving maintainability and scalability
- Led and coordinated cloud migration from GCP to AWS
- Performed code reviews and ensured backend code quality and consistency
- Coordinated development and delivery with a distributed team based in India
- Main stack: Spring boot Java - Mongo - Docker - AWS – GCP

Intelligit | Software Engineer

APR 2017 – JAN 2018 | LEBANON (ON-SITE)

- Built .NET-based data processing solutions for large-scale data import, cleansing, and analytical reporting
- Main stack: .NET – SQL Server

Community & Speaking

- Speaker at 22+ technology events and conferences on Artificial Intelligence, AWS, high-scalability architectures, cloud-native systems, and software engineering
- AWS Community Builder (since 2022)
- Recipient of 2 Awards of Appreciation from IEEE and .NET Community
- Mentored junior and early-career engineers on software best practices
- Publish technical insights through a public Instagram page ([@mhamad elitawi](#)).

Certifications

- CKAD: Certified Kubernetes Application Developer
- CKA: Certified Kubernetes Administrator
- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate
- AWS Certified Cloud Practitioner
- Professional Scrum Master I

Honors and Awards

- UA competitive programming competition: 1st in 2016 – 2nd in 2015
- Lebanese Collegiate Programming Contest: 9th 2016

Other Projects And trainings

- Advanced Programming & Algorithms Boot Camp – AbdurRahman El Gammal
- Designed and delivered multiple e-commerce platforms covering backend services, integrations, and deployment
- Led business modeling and financial planning for MiShipping
- Provided technical analysis supporting investigations into illegal financial exchange applications
- Built and configured Hadoop-based data processing pipelines for scientific computation and academic research
- Continuous learner with 50+ books read and 15+ technical and business courses completed
- **Languages:** English, French, Arabic

Links

- **Website:** <https://mhamadelitawi.com>
- **LinkedIn:** <https://www.linkedin.com/in/mhamadelitawi>
- **Github:** <https://github.com/mhamadelitawi>
- **Hackerrank:** <https://www.hackerrank.com/mhamadelitawi>
- **DEV.to:** <https://dev.to/mhamadelitawi>