

MOHAMMAD EL KAOURI

Senior Project Manager & Technical Lead

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PROFILE

Software professional with 10 years of experience, combining hands-on development with product, project and technical leadership. Build multidisciplinary teams and lead delivery from requirements and technology choices through development, quality assurance and deployment. Coordinate new projects alongside the maintenance and evolution of existing web, mobile, AI and IoT products.

PROFESSIONAL EXPERIENCE

Senior Project Manager & Technical Lead

LAU Industrial Hub | Byblos, Lebanon | Aug 2025 - Present

- Lead a portfolio of concurrent software, AI and IoT projects, coordinating 10+ developers and engineers across backend, web, mobile, embedded systems, DevOps and QA.
- Define scope, roadmaps, estimates and acceptance criteria with stakeholders; manage priorities, costs, schedules, dependencies and delivery risks.
- Recruit and onboard team members, organize Agile delivery and guide technology selection, architecture reviews and integration decisions.
- Oversee development, testing, user acceptance and deployment; coordinate issue resolution, maintenance and new requirements across existing products while taking on new projects.
- Review cloud infrastructure, CI/CD, monitoring and device communication with the teams, including AWS, Docker, Kubernetes, Terraform, MQTT and messaging services.

Technical Project Manager

Kedra-Boxxy | Stockholm, Sweden, remote from Lebanon | May 2022 - Aug 2025

- Joined as the first developer, recruited the team and combined technical, product and project responsibilities for an integrated smart access-control platform.
- Led mobile, web, backend and embedded delivery; translated business needs into a prioritized backlog and coordinated software, firmware, design and QA dependencies.
- Contributed directly to React Native development, ESP32 Bluetooth integration, BankID authentication and offline mobile data handling.
- Guided architecture, release planning and DevOps coordination; helped take the product from concept to launch in Sweden and deployment across thousands of homes.

Senior Software Developer, Research & Development

Twistr | Paris, France, remote from Lebanon | Aug 2016 - May 2022

- Developed application logic for alternative flight combinations and lower-cost travel options; researched airline, OTA and aggregator workflows.
- Created proofs of concept and functional prototypes, developed web features, gathered client requirements and presented product demonstrations.
- Supported discovery, implementation and release, and trained new team members.

SELECTED PROJECTS

Boxxy | Smart access - Mobile access, property administration and ESP32 hardware integration for doors, garages and mailboxes.

SmartLand | Agricultural IoT - Farm monitoring and irrigation control with local schedules, LoRa sensors, mobile applications and cloud services.

Alfa Debug | Industrial AI - PLC fault investigation combining local language models, maintenance knowledge retrieval and interactive 3D CAD.

Fugro | Geotechnical reporting - Automated processing of investigation records, report tables and appendices, with local AI and Word/PDF outputs.

DAR | BIM automation - Revit parameter completion using rules and AI recommendations, engineer approval and verification of applied changes.

GNFF / SJP Connect | Mobility - Student and driver applications, transport scheduling, live bus tracking and administrative workflows.

Quinta | Nursery operations - Orders, sowing, grafting, capacity planning and inspections, with connected environmental monitoring.

Nine | Logistics - React Native mobile application and Angular web interface connected to a Laravel backend; development and delivery coordination.

CORE EXPERTISE

Delivery & leadership: Scope, cost and quality management; hiring; resource planning; stakeholder coordination; Scrum/Kanban; UAT; release and maintenance planning; Jira, Confluence, Trello.

Software & data: React Native, React, Next.js, Angular, TypeScript, NestJS, Laravel/PHP, Python, FastAPI, REST APIs, PostgreSQL, MySQL, SQLite.

Cloud & connected systems: AWS, EC2, CloudWatch, IoT Core/fleet provisioning, Azure, Google Cloud, Docker, Kubernetes, Terraform, GitHub Actions, Redis, BullMQ, RabbitMQ, MQTT, ESP32, BLE, LoRa.

AI & engineering: Local LLMs, RAG, semantic retrieval, OpenAI/Azure OpenAI integration, document automation, Revit/BIM integration and industrial diagnostics.

EDUCATION AND CERTIFICATIONS

Bachelor of Mathematics in Applied Computer Science | Saint Joseph University of Beirut | Feb 2014 - Feb 2017

AWS Certified Cloud Practitioner | Issued Sep 2026; valid until Sep 2029

Digital Marketing Professional Certification | Lebanese American University | 2021

LANGUAGES

Arabic: native | English: proficient | French: advanced