

WALID LABIDI

IT Project Manager

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About Me

IT Project Manager with 10+ years of experience in planning, deploying, and managing technological solutions. Expert in Agile/Scrum, SDLC, team coordination, and process optimization. Strong skills in requirement drafting, software development, cloud integration, and cybersecurity.

Professional Experience

KOUKA – IoT Project Manager

May 2024 – Present | France (Remote)

- **IoT Project Management** : End-to-end management of IoT projects, including the deployment of multi-technology infrastructures (2G, 3G, LTE-M, LoRaWAN).
- **Technology Integration** : Configuration and maintenance of IoT devices (Rut960 Teltonika, CWT-L1TH, Oyster 3) with integration into Azure IoT Hub and MQTT.
- **Scalable Connectivity** : Design of LoRa Multitech gateways connected to The Things Network (TTN), improving reliability by 30%.
- **Monitoring and Optimization** : Implementation of monitoring solutions using Grafana, Prometheus, and InfluxDB, reducing response times by 25%.
- **Security** : Deployment of VPN, TLS, IAM, and OAuth 2.0 protocols to secure IoT infrastructures.

Smart Ways Innovation – IT Project Manager

2019 – 2024 | Tunisia

- **IT & IoT Project Management**: Led complex projects in multi-cloud environments (AWS, Azure, GCP) using Agile/Scrum methodologies, ensuring on-time and on-budget delivery with a 95% success rate.
- **Digital Transformation & Innovation**: Designed and implemented digital solutions to optimize business processes, including a financial management platform that reduced transaction processing time by 40%.

- **Infrastructure & DevOps:** Deployed scalable architectures using Docker, Kubernetes, and Terraform, integrated with CI/CD pipelines (Jenkins, GitLab CI), cutting production deployment times by 50%.
- **Cybersecurity & Compliance:** Implemented advanced security strategies (AWS WAF, VPN, TLS 1.3) to protect data and ensure compliance with international standards.
- **Performance Optimization & Monitoring:** Analyzed and improved system performance using ELK Stack and Grafana, reducing downtime and improving responsiveness by 25%.
- **Stakeholder Management:** Coordinated cross-functional teams (developers, cloud engineers, cybersecurity experts) and liaised with clients to align solutions with business needs.
- **Team Leadership & Training:** Guided and upskilled technical teams on emerging technologies (IoT, Cloud, DevOps, Security) to ensure operational excellence.
- **Budget & Risk Management:** Monitored project costs, identified risks, and implemented mitigation plans to ensure profitability and project viability.

Intensive Consulting – IT Consultant

2016 – 2019 | Tunisia

- **Strategic IT Advisory:** Led digital transformation initiatives, optimizing IT infrastructures for scalability, security, and efficiency.
- **Cloud Solutions & Cost Optimization:** Designed and deployed secure cloud architectures (AWS, Azure, OpenStack), reducing infrastructure costs by 20%.
- **Serverless & Microservices Architecture:** Developed high-performance, scalable solutions using AWS Lambda, DynamoDB, and API Gateway.
- **DevOps & Automation:** Implemented CI/CD pipelines and automated infrastructure provisioning with Ansible, Terraform, and Docker Swarm.
- **Problem-Solving & Crisis Management:** Diagnosed and resolved critical system failures, ensuring business continuity and minimizing downtime.
- **Cybersecurity & Compliance:** Strengthened IT security postures through risk assessments and adherence to industry standards (ISO 27001, NIST).
- **IT Strategy & Governance:** Defined IT roadmaps, aligning technology investments with business objectives for long-term growth.

Adopt Formation – Software Developer

2013 – 2015 | Tunisia

- **Application Development** : Designed web and mobile applications using Python, Java, and JavaScript (Node.js, React, Angular).
 - **Databases** : Optimized relational (PostgreSQL) and NoSQL (MongoDB, Cassandra) databases.
 - **API Integration** : Created RESTful APIs for interconnected systems.
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Key Projects

- **Digital Platform for DRC DIAMONDS Conferences**: Developed a digital solution for participant management and information exchange in partnership with the **Ministry of Mines (Democratic Republic of Congo)**.
 - **Wagon Tracking System** : Implemented an IT solution for wagon monitoring using LoRaWAN and TTI for *The Trans-Gabon Railway Operating Company (SETRAG)*, optimizing logistics operations in **Gabon**.
 - **Product Protection System** : Designed an AI-powered anti-counterfeiting platform utilizing QR codes for the *Laboratory for Composite Materials, Ceramics, and Polymers Research (LaMaCoP) – University of Sfax*, enhancing product security.
 - **Smart Industrial Refrigeration Management** : Developed an AI-based IT solution for monitoring and energy optimization of refrigeration systems **for OVAGRI Group**.
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Skills

- **Project Management**: Agile, Scrum, Kanban, Jira, MS Project, Risk Management, Budgeting & Cost Control
- **Technologies**: Python, Java, JavaScript, C, Cloud (AWS, Azure, GCP), Docker, Kubernetes, Terraform, Microservices, Serverless Computing
- **Digital Transformation**: AI/ML (TensorFlow, PyTorch, Scikit-learn), Business Intelligence (Power BI, Tableau, Looker), Databases (SQL, PostgreSQL, MongoDB, Redis, Cassandra), IoT & Edge Computing
- **DevOps & Security**: CI/CD Pipelines, Ansible, Infrastructure as Code (IaC), AWS WAF, TLS 1.3, OAuth 2.0, Zero Trust Architecture, Penetration Testing, SIEM (Splunk, ELK Stack)

- **Networking & Systems:** SD-WAN, VPN, Firewalls, Linux Administration, Windows Server, Virtualization (VMware, Hyper-V)
 - **Soft Skills:** Leadership, Strategic Communication, Stakeholder Management, Critical Thinking, Team Building, Conflict Resolution, Decision-Making
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Education

- ***Master's Degree in Computer Science***
University of Sfax – Tunisia | 2009 – 2011
 - ***Bachelor's Degree in Computer Science***
University of Sfax – Tunisia | 2007 – 2009
 - ***Higher Technician in IT and Communication***
University of Sfax – Tunisia | 2004 – 2007
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Publications and Awards

- **Patent :** "Device for COVID-19 Detection Using Medical Sensors" (TN2022/0012, INNORPI, January 2022).
 - **Publication :** "An IoT Framework for COVID-19 Screening Using Real-Time Data from Wearable Sensors" – Taif University.
 - **Awards :** Certificate of Appreciation – EVEREST International of Invention (February 2019).
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Certifications

- ***Digital Manufacturing and Industry 4.0***
Alison (October 2024)
 - ***Data Science with Python***
IBM Cognitive Class (May 2023)
 - ***Boost with Facebook***
META (Mars 2022)
 - ***Fundamentals of Deep Learning for Computer Vision***
NVIDIA (November 2019)
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Languages

French: C1

English: B2

Arabic: Native