Ali I. Faour

Technical Solutions Engineer · AIoT & Digital Transformation · Software Product Architecture

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INDEPENDENT SOFTWARE PRODUCT

Gridlock ERP — Creator & Lead Architect

2024–present

Personally owned and developed independently of Royal Gas

Conceived and architected a 36-module enterprise ERP and operations-management platform spanning sites, facilities, assets, work orders, procurement, contracts, finance, document workflows and utility operations.

- Own the product vision, requirements, domain boundaries, record relationships and end-to-end user journeys.
- Direct AI-assisted implementation using a modular .NET 10 / Blazor architecture, EF Core and MySQL; review design decisions and integrated behaviour.
- Lead verification gates, installation and deployment planning, operator-focused usability refinement and pilot preparation.

Status: In development / pilot preparation. Independent software undertaking; not a Royal Gas work assignment or employer-owned product.

PROFESSIONAL EXPERIENCE

Operations & Digital Transformation Lead (AIoT / Telemetry) · Associate Project Manager

Dec 2023–present

Royal Development for Gas Works and Contracting · Abu Dhabi, UAE

- Lead technical escalations and cross-functional coordination among operations, field teams, manufacturers, project consultants and management.
- Directed an AED 5M Department of Energy LPG infrastructure program under AtkinsRéalis oversight, coordinating over 400 work orders across site assessment, proposals, submissions and closeout.
- Recovered an AED 1.2M ADNOC Ruwais scope by reorganizing field deployment for eight technicians, shortening delivery from six months to two months.
- Coordinated gas safety devices, monitoring platform requirements and remote-control integrations with the manufacturer's engineering team.
- Configured and deployed 290+ GSM tank-level telemetry devices across Abu Dhabi and Dubai; supported field verification, technician training, data reconciliation and operational reporting.
- Conducted LoRa mesh field trials, managed gas-control panel deployment, and reconstructed 30+ years of operational data into a structured Excel-based ETL master database.

Intern — Control Systems Engineering / IT Support

Jan–Nov 2023

Royal Development for Gas Works and Contracting · Abu Dhabi, UAE

Assembled and tested LPG detection/control panels; supported field inspections, calibration and preventive maintenance; assisted with Active Directory, infrastructure checks and IT operations.

Full-Stack Software Engineer

Aug 2022–Jan 2023

Tough Leaf · Lebanon

Developed PHP/MySQL/JavaScript features for a construction bidding platform; worked on REST APIs, payment integration, input validation, SQL-injection and XSS prevention, and Git-based collaboration.

SELECTED WORKPLACE INITIATIVES

MePS Engineering Proposal System: Regulatory gas-submittal preparation, demand calculations, and structured technical documentation.

KB200N Controller Board: Hardware redesign concept to simplify multi-board control panels.

DoE / ADNOC Reporting Pipelines: Python and Excel workflows supporting 1,500+ DoE reports and 224 ADNOC submission packages.

EDUCATION

B.E. Computer Engineering · Lebanese International University · 2022 · UAE MOHESR recognized

TECHNICAL SKILLS

Software & Data	C#, Python, SQL, .NET 10, Blazor, EF Core, MySQL, REST APIs, automation, data pipelines
Industrial Systems	LoRa / LoRaWAN / Mesh, Modbus, RS485, 4G / GSM / NB-IoT, SCADA / PLC, embedded systems, panel commissioning
Delivery	Systems architecture, cross-functional project coordination, technical requirements, vendor coordination, testing, deployment

SELECTED CERTIFICATIONS & TRAINING

ISO/IEC 27001:2022 Lead Auditor training — TÜV SÜD · AWS Certified Cloud Practitioner · ADNOC Work Management System · ADNOC Life Saving Rules · Industrial IoT Markets and Security · Cisco Network and Endpoint Security