

Ali I. Faour

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Professional Experience

Royal Development for Gas Works and Contracting

Abu Dhabi, UAE

Assistant Project Manager / Software Engineer

December 2023 – Present

Project Management & Stakeholder Engagement

- Coordinated large-scale gas infrastructure projects with the Abu Dhabi Department of Energy (DoE), project management consultants (PMC), and external stakeholders.
- Oversaw project timelines, budgets, and deliverables, leading to a 20% reduction in project timelines and a 15% decrease in project costs.
- Facilitated regular meetings and project status updates for both internal teams and external stakeholders, resulting in a 25% improvement in stakeholder satisfaction and increased project transparency.
- Led compliance audits and risk assessments, achieving a 30% increase in documentation accuracy and a 25% improvement in adherence to industry standards.
- Acted as the main technical liaison between engineering teams, vendors, and government authorities, ensuring clear communication and alignment on project requirements.
- Utilized project management tools to track progress and proactively identify and mitigate project risks, increasing project efficiency by 20% and reducing risks by 15%.

Software Engineering & Technical Solutions

- Developed and implemented Python automation scripts for data processing, file manipulation, and system administration, reducing manual workload and minimizing errors.
- Integrated IoT technologies, including LoRa and Modbus protocols, into distributed gas system sensors, improving real-time data transmission range by 35% and increasing system reliability by 20%.
- Configured, tested, and optimized RF analog signals and communication protocols to enhance connectivity between gas meters and concentrators, reducing packet loss and transmission errors.
- Designed and maintained web applications and internal tools to streamline project documentation and tracking processes.
- Collaborated with engineers to integrate embedded systems hardware and software, boosting system performance by 25% and reducing downtime by 20%.
- Researched and implemented AI-driven analytics to monitor system health and predict maintenance needs, reducing equipment failures and improving operational efficiency.

Royal Development for Gas Works and Contracting

Abu Dhabi, UAE

Intern - Control Systems Engineer / Information Technology Support

January 2023 – November 2023

- Assembled, tested, and troubleshooted gas detection and control panels for LPG systems, ensuring they met operational and safety standards. This work contributed to a 15% improvement in panel assembly efficiency.
- Conducted daily site visits to oversee LPG projects, ensuring compliance with UAE regulations and NFPA 58 standards during third-party inspections. This proactive approach helped reduce non-compliance issues by 10%.
- Calibrated, debugged, and resolved faults in explosion-proof detectors (LPG/NG/SNG), minimizing system malfunctions and improving detection accuracy by 20%.
- Monitored SCADA and PLC systems used for automating gas distribution processes, identifying optimization opportunities that resulted in a 10% improvement in system response times.
- Performed routine monthly inspections and preventive maintenance on the department's hardware and software systems, ensuring continued operational reliability and reducing equipment downtime by 15%.
- Implemented measures to ensure data integrity by regularly reviewing security logs for inbound and outbound data, improving data security and reducing potential vulnerabilities.
- Conducted weekly risk assessments to identify and mitigate IT infrastructure security risks, ensuring consistent protection of sensitive systems and reducing the number of critical security incidents by 20%.
- Managed IT support ticketing system through an ERP and CRM platform, achieving a high level of accuracy in tracking, auditing, and resolving technical issues. This effort led to a 25% improvement in ticket resolution time.
- Implemented Microsoft Active Directory Domain Services (MS ADDS) for user authentication and authorization, optimizing file system management and enhancing user access control based on job functions.
- Collaborated with IT and engineering teams to resolve network and hardware issues, reducing system downtime by 10% and improving workflow efficiency within the department.
- Assisted with real-time troubleshooting and maintenance of LPG systems, ensuring the operational reliability of both hardware and software components, which contributed to maintaining a high level of system uptime.

Full Stack Software Engineer**August 2022 - January 2023**

- Contributed to the development of a US-based construction and project-bidding platform, ensuring scalability and robustness through optimized database queries and efficient server-side logic.
- Designed and implemented RESTful APIs to facilitate seamless communication between the frontend and backend, reducing data retrieval time by 20%.
- Utilized object-oriented programming (OOP) principles and PDO structuring in PHP, efficiently managing over 5,000 records and ensuring data integrity.
- Developed and maintained both frontend and backend components using the LAMP stack, employing technologies such as JavaScript, jQuery, and Ajax for dynamic content loading and improved user experience.
- Built and optimized SQL queries for faster data processing, improving query execution times by 15%, thereby enhancing overall platform performance.
- Integrated third-party APIs for payment gateways, facilitating secure and reliable transactions for construction bidding projects, resulting in a 10% increase in platform engagement.
- Developed user-friendly, responsive interfaces with Bootstrap, ensuring cross-browser compatibility and accessibility, which increased user satisfaction by 25%.
- Collaborated closely with graphic designers to implement intuitive and aesthetically pleasing UI/UX designs, aligning user interface elements with the overall brand identity of the platform.
- Employed Git for version control, managing code changes effectively and ensuring smooth collaboration within the development team.
- Ensured the application adhered to security best practices, including input validation, encryption, and protection against common web vulnerabilities such as SQL injection and cross-site scripting (XSS).
- Actively participated in Agile sprints, leading the development of key features and maintaining close communication with product managers to ensure project goals were met on time and within scope.
- Implemented automated testing procedures to enhance the reliability of the application, reducing the incidence of post-deployment bugs by 20%.
- Provided technical documentation and conducted knowledge transfer sessions with the in-house team, ensuring smooth maintenance and scalability of the platform after the contract period.

Education**Lebanese International University****Beirut, Lebanon****Bachelor of Science, Computer Engineering****October 2019 - September 2022****Technical Skills**

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|-------------------------------|--|--------------------------------|
| • Java / C# | • Python / Anaconda | • Docker / Virtualization |
| • C / C++ | • AWS / Azure / GCP | • Autodesk AutoCAD |
| • Ubuntu / Kali Linux | • Version Control (Git, GitHub, Bitbucket) | • Electrical Troubleshooting |
| • Assembly / Embedded Systems | • Microsoft office 365 | • Technical Documentation |
| • FPGA and Signal Processing | • PLC / DCS | • Modbus Communication / RS485 |
| • Digital Signal Processing | • Analog Signal Processing | • LoRa Technologies |
| • IoT Architecture and design | • TCP/UDP | |

Certifications

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| AWS Certified Cloud Practitioner - Amazon Web Services (AWS) | March 2023 - March 2026 |
| Introduction to Data Analytics-IBM | October 7,2024 |
| Excel Basics for Data Analysis-IBM | September 22,2024 |
| Electric Power Systems - University at Buffalo | February 11, 2024 |
| Network Support and Security – CISCO | October 02, 2023 |
| Endpoint Security – CISCO | September 26, 2023 |

Badges

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| | February 2,2023 |
| Introduction to IoT-CISCO | |
| Artificial Intelligence Fundamentals-CISCO | August 4,2023 |
| Networking Devices and Initial Configuration-CISCO | March 3,2023 |
| Python for Data Science-IBM | September 25,2023 |