

## ENGINEERING PROFESSIONAL

I'm Passionate about technology and customers. A customer facing and problem solving Professional with hands-on experience creating and delivering cutting-edge and cost-effective solutions within Information, communication, and Building Technologies, while maintaining full compliance with project specifications and quality standards. Demonstrated success, high level of productivity and time management, with the ability to meet critical deadlines working independently or as part of a cross-functional team while producing high quality deliverables. An outstanding communicator, capable of interfacing with customers to accurately determine needs, and collaborate effectively across all organisational levels.

Settlement Status (Indefinite Leave to Remain) with full-unrestricted rights to work in the UK.

**Languages:** English (proficient), Arabic (native), Spanish (basics).

## AREAS OF EXPERTISE

- Project & Engineering Lifecycles
- Systems & Subsystems Integration
- Users & Systems Requirements
- High Level and Detailed Design
- Virtualisation & Cloud Platforms
- Cyber Security (RMS & Product Security)
- IT Operation
- Internet-of-Things (IoT)
- Business Development
- Database Engineering
- Network Infrastructure
- Electronic Security Systems
- Open & Closed industrial protocols
- Health & Safety Regulations

## PROFESSIONAL EXPERIENCE

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| Nov 2020 – Present   | <p><b>Honeywell Building Solutions   UK &amp; Nordics</b></p> <p><b>Senior Solutions Engineer</b></p> <p>This is a client-facing Engineering role. I'm working as contributor responsible for leading all ICT Design activities for large projects.</p> <p>Report to UK &amp; Nordics Engineering Supervisor</p>  |
| July 2016 – Nov 2020 | <p><b>Project Integration Engineer</b></p> <p>This is a client facing-facing Engineering role. I worked as part of a highly technical team of professionals who are responsible for all integrated engineering activities to all Smart Buildings and Internet-of-Things (IoT) domains including Electronic Security Systems, Servers and clients Engineering (On-Premises, Hybrid and cloud Solutions), Network Infrastructure (Layer 2, Layer 3, Firewall, VPN, WAN, SNMP, DHCP, DNS, HTTP and routing), Cyber Security (Remote Management Systems and Product Security). These activities include architectural design, development, and deployment of cost effective, sustainable solutions, to meet and exceed customer and business requirements. Report to UK Integration Team Leader.</p> <ul style="list-style-type: none"><li>▪ Applied broad expertise and unique technical/industry knowledge in solving problems that are unique and extremely complex with given time, budget and resource constraints.</li><li>▪ Participated in R&amp;D programs including attending meeting for initial design review.</li><li>▪ Assessed complexity/risk of customer requirements and document customer requirements into deliverable technical solutions.</li><li>▪ Selected the proper combination of hardware, software, equipment, materials and services that will deliver the highest value to the customer while supporting overall Honeywell business objectives.</li><li>▪ Performed hands on high level and detailed design; configuration and troubleshooting of Honeywell high-ends software including EBI, Forge, CCS &amp; DVM along with their components to monitor and control all intelligent building systems via one platform.</li></ul> |

- Support Business development teams during tender processes.
- Delivered several successful client training and demos during and upon completion of every project.

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May 2014 – Oct 2015

**ELV Systems Engineer**

**Mercury Engineering | Doha, Qatar**

*Qatar Foundation, Qatar National Library Project:*

Successfully oversaw and managed Extra Low Voltage (ELV) systems lifecycle throughout Requirement analysis, Design, Construction, Testing, and Commission phases. Reported directly to ELV Manager.

- Directed and coordinated systems lifecycle of, Information Communication Technology (ICT), Access Control System (ACS), Closed Circuit Television (CCTV) system of Video Smoke Detection (VSD) system, Fire Alarm (FA), and Audio Video (AV) systems.
- Assisted in the design of the aforementioned systems and subsystems.
- Coordinated and advised site teams for any defects and issued NCR for any non-conformances.
- I was responsible of all the activities related to site acceptance tests and final inspection of the overall ELV package.
- Ensured take-off preparation for all materials and approved drawings.
- Coordinated and collaborated with cross-functional consultants, subcontractors, equipment vendors, and suppliers to ensure compatibility of design interfaces.
- Drafted and submitted detailed daily, weekly, and monthly progress reports.

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Dec 2012 – May 2014

**Lead Technical Engineer**

**Protea Security Consultants, Subcontracted to EMC2 | London, UK & Doha, Qatar**

*Qatar Islamic Bank, Qatar First Bank IP Surveillance Projects:*

Designed, installed, configured and integrated Genetec VMS systems and EMC2 storage networks, encompassing 1100 Axis IP cameras in 37 branches and 128 ATM locations.

- Conducted site surveys and pre-inspections, detailing tests related to Infrastructure Layer, and verifying CAD drawings prior to installation.
- Coordinated effective system post-installation support investigations, creating accurate root cause analysis reports related to serious incidents.
- Updated and recorded required modifications, providing documentation to Project Manager in a timely manner.

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Jan 2012 – Dec 2012

**IT Coordinator - Freelance**

**Qatar National Convention Centre | Doha, Qatar**

Successfully delivered hardware installation and configuration services for 6 major conferences and exhibitions, including UN Climate Change Conference, World Innovation Summit for Education, UN Conference for Trade & Development, QITCOM, Ted Education City, and Qatar Career fair.

- Contributed as main point of contact for urgent matter, interacted with clients, facility representatives and additional parties, and advised on enhanced requirements.

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Jul 2007 – Aug 2009

**IT Technical Support Officer**

**Cairo Semiramis Intercontinental Hotel | Cairo, Egypt**

Provided 1st and 2nd line support and troubleshoot for all computer systems and data communication activities in the hotel including network equipment, operating systems, printing servers, hotel's applications such as Opera and Micros, Microsoft Exchange, telephoning and guests' high-speed internet.

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## EDUCATION & PROFESSIONAL DEVELOPMENT

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- **Introduction to Python Programming**, edX January 2021 – Ongoing
- **AWS Cloud Practitioner**, edX, October 2020 – December 2020
- **Six Sigma, Green Belt**, Honeywell Training School, January 2020 – May 2020
- **Microsoft M20745A - Implementing a Software Defined Datacentre, on demand Course** May 2018 – August 2018
- **Microsoft M20742 - Identity with Windows Server 2016 - Active Directory, on demand Course** August 2018 – November 2018
- **Short Courses, Systems Thinking & Engineering Management**, University College London (University of London), April 2016 – September 2016
- **Professional Certificate, Cisco CCNA**, Cisco Network Academy, November 2013.
- **Bachelor of Science in Social Work**, Zagazig University, Banha branch, Egypt, September 2001 - August 2005.
- Regular internal training courses as part of my career development including Systems Management, Business Development, Artificial Intelligence, Cyber Security, SQL, Software languages, Firewall, etc.
- Regular internal **Health and Safety Training Courses** on a monthly basis.
- Regular readings in **Sustainable Systems Engineering, Artificial Intelligence and Business Development**.

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## MEMBERSHIPS

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Member of the Institute of Engineering and Technology, Incorporated Engineer (IEng MIET).

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## LINKS

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<https://www.linkedin.com/in/mohammed-rezk-8304044b/>