

► Abdul Rahman Mohamed Samy

Red Hat® Certified Architect (RHCA®) II

IoT Devices & Platforms Expert

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Summary

Highly innovative IoT and Cloud professional with experience in both devices and platforms, I have experience with end-to-end solutions with many innovations and achievements. My goal is to help my organization thrive in the IoT and Cloud domains with cutting-edge solutions.

Experiences

- Solutions Architect | Cloud Engineering | solutions by stc (Current)
- Technical lead | IoT Engineering | solutions by stc (2021 – 2022)
Industrial IoT, PTC, Thingworx, Elisa Smart Factory
- Sr. Engineer | IoT Engineering | solutions by stc (2018 – 2021)
IoT Devices and Sensors Configuration and Integration:
 - TCP/UDP bi-directional communication
 - Analog/Digital sensors, Bluetooth, ZigBee, LoRa
 - Embedded systems: Configuration & Firmware customizations
 - Providing Technical Evaluation, POCs & RFPs.Deploying and Managing IoT testing environment:
 - MQTT, Node-Red, NiFi, Elastic Stack, OpenVPN servers
 - Building Data flows, and parsing, JavaScript, Java.
 - Building Dashboards to test and monitor IoT devices behaving
 - Cloud, OpenStack, Linux, Network.
 - End-to-End testing.
- Operation Engineer | Fleet control system | STC Solutions (2018)
Maintaining IoT devices:
 - Troubleshooting and maintenance.
 - Building configuration and installation guidance.
 - Building devices documentation, configuration and firmware Libraries
 - Supporting field teamsIoT production Environment:



redhat.

**CERTIFIED
ARCHITECT**

Certification ID:
[190-019-802](#)



Ansible
Automation
Platform 2.0



OPENSIFT



- Ubuntu, CentOS, Bash Scripting, Docker, RedisDB, NiFi, Kafka, ELK Stack, OpenStack.
- Project Manager & Technical Lead | Infant Safety Projects (MCH-Makkah, Aya Hospital) Areen BMC (2017)
IoT Project, RFID technology, (Installation, Configuration, Administration & Operation)
- Electrical and Communication networks installations (Housing Project, Al Fahd KSA)(2012-2016)
 - Site Engineer, technical office engineer: preparing payments, shop drawing, Excel, Access & AutoCAD.
- QC Engineer: QC and monitoring Street lighting system (Edge Technology S.A.E)(2011).
- System Engineer (Edge Technology S.A.E) (2011).
- Network administrator (Namaa securities brokerage co.) (2010)
- IT specialist (Army Unit) during military service (2009).
- Pre-Sales Engineer (Tawasol Telecom) mobile application (2008).

Trainings and Certificates

- Red Hat Certified Architect - RHCA II (2022)
- Google Certified Professional Solution Architect (In progress)
- AWS, AZURE Cloud Certified Solution Architect (Planned)
- Internet Of Things Certified Architect (Planned)
- Red Hat Certified Specialist in Developing Automation with Ansible Automation Platform 2.0 (2022)
- Red Hat Certified Specialist in Advanced Automation (2022)
- Red Hat Certified Specialist in OpenShift Administration (2022)
- Red Hat Certified System Administrator in Red Hat OpenStack (2021)
- Masterclass of Internet of Things (2021)
- Masterclass of Big Data Analytics (2021)
- Red Hat Certified Specialist in Ansible Automation (2020)
- Red Hat Certified Engineer (2020)
- Red Hat Certified System Administrator (2019)
- Tableau Essential Training | LinkedIn learning (2021)
- Full stack development | Udacity (2019)
- Front End development | Udacity (2019)
- CompTIA Linux+ (2018).
- Docker, Redis DB, Kafka, Node Red, NiFi, Elastic Stack (Udemy 2018)
- SQL DB, SharePoint Self-learning (2017).
- Health Level Seven (HL7) Integration Protocol self-learning (2017).
- Android Mobile Application development, Self-learning (2016).
- Data Centres by Schneider electric (Feb 2015).
- MCSA, Self-learning (Dec 2010).
- CCNA, at CAMPAS Cisco Network Academy (Jun 2010)



- Intelligent Networks (IN), New Generation Networks (NGN) & IP Multimedia Subsystem (IMS) Alcatel-Lucent University (Smart Village) (May 2010)
- Enhance Presentation & Develop leadership skills, Dale Carnegie Training(D.C.T) (Sept 2009)
- Communication skills, Vodafone, (Aug 2008).
- UMTS, Jeilecom Egypt, (Jan 2007).
- GSM, Jeilecom Egypt, (Aug 2006).

Skills

Coding and Scripting Skills:

- | | | |
|------------------------|---------|---------------------------|
| ► JavaScript | ► Java | ► XML/JSON |
| ► Python Scripting | ► C/C++ | ► GitHub |
| ► Bash Scripting | ► MySQL | ► API Integration |
| ► PowerShell Scripting | ► YAML | ► IoT Devices Integration |

Applications Skills:

- Apache web server, OpenVPN, Tableau, Power BI, Node-red, ELK Stack.
- Red Hat Enterprise Linux 7 & 8, CentOS, Ubuntu, Ms-DOS, Ms-Windows (3.x, 9x, XP, Vista, 7, 8.1, 10 & 11).
- MS-Office: Word, Excel (PivotTables), PowerPoint, Visio, Access, Power BI & Ms-Project.
- Multimedia & Graphics: Adobe Photoshop, Adobe Flash, Adobe audition, Adobe premiere & Adobe After Effects .
- AutoCAD: 2D Drawing.

Capabilities and Personal Skills:

- Quick learner with a significant ambition to grasp the new technologies.
- Take responsibility and think of tasks in terms of objectives and time to complete.
- Energetic and self-motivated team player, proven ability to work in both independent and team environments.
- Enthusiastic for creativity and innovative ideas and solutions.
- High creativity and bringing out the product with a magnificent customer experience.
- High analytical and technical skills.
- Initiative, resolute, serious, dependable, patient, sociable, and cooperative with others.
- Empathy and ease of understanding the client's feelings and aspirations.
- Inventive to improve the accomplishing ways for tasks specially the repetitive tasks.
- Technical writing, technical reports, presentations.
- Presentations slides designing.



- Seeking for a consultant position in the IoT and Cloud fields.

Education

B.Sc. degree in Communication & Electronics & Computer Engineering

- Helwan University: Cairo, Egypt. (2003-2007)
- Major: Communication & Electronics Engineering.
- Graduation Project: (UMTS Cell Planning): Excellent.
- Final year Grade: Good.

Language:

- Arabic: Native Language.
- English: Very Good command of both written and spoken.

Interests

- Graphic designing, Cooking, Reading and Viewing Documentary Movies.



Personal information

- Address (EG) : Giza, Egypt.
- Address (SA) : Riyadh, Saudi Arabia.
- Nationality : Egyptian
- Marital Status : Married