

► Abdul Rahman Mohamed Samy

Technical Lead - Solutions Engineer/Architect
IoT – Cloud – DevOps

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Summary

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

Experiences

- Solution Architect | Cloud Engineering | solutions by stc (Current)
Cloud-Native, DevOps, Database migrations
- Technical lead | IoT Engineering | solutions by stc (2021 – 2022)
Industrial IoT, PTC, Thingworx, sedApta, Elisa Smart Factory
- Sr. Engineer | IoT Engineering | solutions by stc (2019 – 2020)
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 responses.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.
- Operations 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 operations teams.IoT production Environment:



redhat.

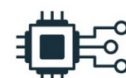
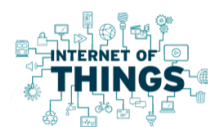
**CERTIFIED
ARCHITECT**

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

Arcitura®
CERTIFIED

IoT Architect

solutions
by stc



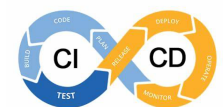
EMBEDDED SYSTEM

LoRa

- 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

- Internet Of Things Certified Architect (2023)
- Red Hat Certified Architect - RHCA II (2022)
- Google Certified Professional Solution Architect (In progress)
- AWS, AZURE Cloud Certified Solution 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)



OPENSIFT

- Enhance Presentation & Develop leadership skills, Dale Carnegie Training(D.C.T) (Sept 2009)
- Communication skills, Vodafone, (Aug 2008).
- UMTS, GSM, Jeilecom Egypt, (Jan 2007 , Aug 2006).

Qualifications & Skills

Coding:

- JavaScript ► XML ► YAML ► JSON
- Java ► C/C++ ► Git/Github ► VS-Code
- REST API Integration ► IoT Devices Integration

Automation:

- Ansible ► Python Scripting ► PowerShell Scripting
- Terraform ► Bash Scripting

Databases:

- MySQL ► MS-SQL
- REDIS ► Kafka Streaming

Tools, Applications And Servers:

- Apache web server ► OpenVPN ► ELK Stack
- Node-red ► MQTT mosquitto ► HiveMQ

Dashboards and analysis

- Tableau ► Power BI ► PivotTables
- Grafana ► Kibana

Operating Systems:

- Linux ► RHEL ► Centos ► Ubuntu ► Fedora
- Windows Server ► Windows (3.x, 9x, XP, Vista, 7, 8.1, 10 & 11)

Desktop Office Suite:

- Word ► Excel ► PowerPoint ► Visio
- Access ► Power BI ► Ms-Project

Graphics and media:

- Adobe ► Photoshop ► Flash ► audition
- premiere ► 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.



kubernetes



docker



podman



Ansible
Automation Platform 2.0



- 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, DevOps 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

