

## ► Abdul Rahman Mohamed Samy

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

Cellular : +966 554 595 737  
E-mail : [abdul.m.samy@gmail.com](mailto:abdul.m.samy@gmail.com)  
LinkedIn : [linkedin.com/in/abdul-rahman-m-samy](https://www.linkedin.com/in/abdul-rahman-m-samy)  
Credly : [credly.com/users/abdul-rahman-samy](https://credly.com/users/abdul-rahman-samy)  
Website : [abduhrahmansamy.com](http://abduhrahmansamy.com) (under construction)



### 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 technologies and solutions.

### Experiences

- Solutions Engineer | 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.**

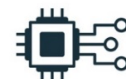
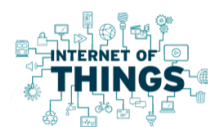
**CERTIFIED  
ARCHITECT**

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

**Arcitura®**  
**CERTIFIED**

*IoT Architect*

**solutions**  
by **stc**



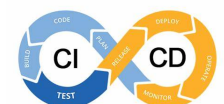
EMBEDDED SYSTEM



- 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)
- Alibaba Cloud Associate - ACA (2023)
- Alibaba Cloud Professional - ACP (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, GSM, Jelecom 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      ► MariaDB      ► PostgreSQL
- REDIS      ► Kafka Streaming

### Tools, Applications And Servers:

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

### Dashboards and Analytics

- 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.



OPENSIFT



kubernetes



docker



podman



Ansible  
Automation Platform 2.0



- 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, 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

