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.
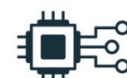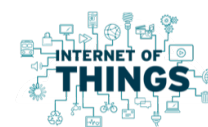 - Supporting field operations teams.
  IoT production Environment:

redhat.
CERTIFIED ARCHITECT
Certification ID:
190-019-802

Arcitura® CERTIFIED
IoT Architect

solutions by stc

INTERNET OF THINGS

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)

Cloud

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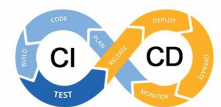
- Enhance Presentation & Develop leadership skills, Dale Carnegie Training(D.C.T) (Sept 2009)
- Communication skills, Vodafone, (Aug 2008).
- UMTS, GSM, Jelecom Egypt, (Jan 2007 , Aug 2006).

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
- 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
- RHLE
- 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

Automation

Ansible
Automation Platform 2.0

HashiCorp
Terraform

Database

MySQL

redis

elastic
ELK

APACHE
kafka®

Scripting and Coding

- ▶ 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