Abdul Rahman Mohamed Samy

Technical Lead - Solutions Engineer/Architect

IoT – Cloud – DevOps – Database

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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 technologies and solutions.

Experiences

- Solutions Engineer | Cloud Engineering | solutions by stc (2022 – Current)
  Cloud-Native, DevOps, Database migration
- Technical lead | IoT Engineering | solutions by stc (2021 – 2022)
  - Cloud, OpenStack
  - 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' behaviour.
  - 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

CERTIFIED
kubernetes
ADMINISTRATOR

OPENSHIFT

Arcitura®
CERTIFIED
IoT Architect

solutions
by stc

- 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).

Training and Certificates

▶ Certified Kubernetes Administrator – CKA (2023)
▶ Certified Kubernetes Application Developer – CKAD (In Progress)
▶ Internet Of Things Certified Architect (2023)
▶ Red Hat Certified Architect - RHCA II (2022)
▶ Google Certified Professional Cloud Architect (In Progress)
▶ Google Certified Professional Cloud Database Engineer (Planned)
▶ AWS, AZURE Cloud Certified Solution Architect (Planned)
▶ Alibaba Cloud Associate - ACA (2023)
▶ Alibaba Cloud Professional - ACP (2023)
▶ 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 on 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).
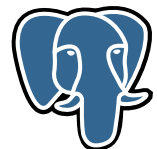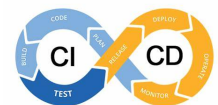
- MCSA, Self-learning (Dec 2010).
- CCNA, at CAMPAS Cisco Network Academy (Jun 2010)
- Intelligent Networks (IN), New Generation Networks (NGN) & IP Multimedia Subsystem (IMS) Alcatel-Lucent University (Smart Village) (May 2010)
- Enhance Presentation & Develop leadership skills, Dale Carnegie Training(D.C.T) (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
- MongoDB

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 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.
- Professional Presentations slides designer.

Education

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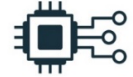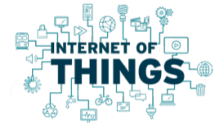
- Helwan University: Cairo, Egypt. (2003-2007)
- Major: Communication & Electronics Engineering.
- Graduation Project: (UMTS Cell Planning): Excellent.
- Final year Grade: Good.

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