



# Mohammed Iris Abdulkalam

## Senior Systems Engineer

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### PROFESSIONAL SUMMARY

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**9+ years of experience** in IT Systems Integration in UAE; gained certifications in **ITIL v3, AWS Solutions Architect, CCNA and MCSE**. Expertise in configuring, deploying, administering and monitoring IT infrastructure, managing IT projects. Expertise in on premise, hybrid and cloud infrastructure. Currently working in **onshore and offshore technical projects across UAE**. Expertise in **Python and Bash programming in automation of configuration, testing & troubleshooting network and system equipment**.

### SKILLS

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#### Technical Skills

- Network troubleshooting & hardening
- Network system designing
- Tier 3 Datacenter Integration
- Network & systems integration
- Network automation using Python, SQL& Bash

#### Soft Skills

- Planning and Implementation
- Excellent communication skills
- Self-motivated
- Conceptual thinking
- Team management

### TECHNICAL EXPERTISE

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- **Programming** - Python, Bash, SQL
- **Server Hardware** - HP Simplivity, Cisco USC, NetApp 8200 Storage, Huawei Cloud Compute
- **Server Operating Systems** - Windows Server 2016, 2012 R2, Azure, Ubuntu, RHEL, WSL
- **Networking Equipment** - Cisco switches (Nexus 5K, Catalyst 3400, 3600, IE 3000, 9300), Huawei Cloud Engine, CISCO ISR 4331, Extreme, Dlink, Moxa
- **Enterprise Wireless Solutions** - HP ProCurve, Ubiquity Unifi & Extreme Wireless, Huawei
- **Audio/Visual Equipment** - AVAYA/NEC IP phone, Hikvision/Dahua/PELCO CCTV solutions, Nextiva, Milestone VMS
- **Firewall/UTM** - WatchGuard Firebox M400 & Gate Protect, FortiGate
- **Industrial Ethernet** - Cisco IE switches, MOXA, Phoenix Contact, Nport Media converters

### PROFESSIONAL EXPERIENCE

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#### Field System Engineer at Etimad Strategic Security Solutions, Abu Dhabi

*Sep 2021 to current*

- Working at remote sites across the UAE in a harsh environment, delivering successful technical projects for UAE National Security.
- Responsible for the installation and configuration of the IT and networking systems which consist of Cisco UCS /HP servers, Cisco switches and routers, Cisco N5k routers, FortiGate firewalls, NetApp network storage, Microsoft server over a VMware solution.
- Accountable for the configuration/installation and integration of the mixed vendor security devices, which include Pelco cameras, access control, and long-range thermal cameras, long-range RADAR (Terma Radar) etc.
- Proactively ensuring onsite health and safety requirements and risk assessments are undertaken and a safe working practice is adhered to.
- Accountability for and ensuring quality delivery of all projects on time.
- Supervising and allocating work packages to the site team.
- Perform additional responsibilities that may be added from time to time depending on organizational requirements

#### IT Head at NIMS Group of Institutions, UAE (Corporate Office - New Indian Model Schools)

*Aug 2020 to Sep 2021*

- Overseas the IT operations in all five schools.
- Help and support the schools in developing formats for the digitization, systematic organization of work especially in the Inspection perspectives.
- Responsible for IT procurements in all institutions.
- Manage team of 5 system administrators to handle operations in 5 schools.
- Liaise with In-House Software Development team for the effective implementation and utilization of the software systems.

- Lead the development and maintenance of resources to support and ensure high quality learning.
- Handles the IT budget, deadlines and general organization.

**IT Officer at Interconnect FZ LLC** (client: Al Mawakeb Schools, ISAS Dubai, German International School) **Oct 2014 to Aug 2020**

- Supporting Business Operations Software (iCampus iBOS) and Student Information System (iCampus SIS)
- Implement cybersecurity policies in accordance with school's policies and procedures
- Handle IT systems and network infrastructure for all schools under AMSI group
- Schedule maintenance and upgradation tasks
- Implementing the yearly ICT development plan as required by AMSI guidelines; providing support to all school ICT projects.
- Preparation of annual budget and performing procurement of IT Products and Services

## PROJECTS HANDLED

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### Etimad Strategic Security Solutions, Abu Dhabi

- **Installation and configuration of Tier 3 datacenter** with Cisco, HP, Huawei solutions for Command & Control Systems
- Integration and testing of security elements (cameras, radars) and industrial networking equipment.
- Staging new **tier-3 datacenters with Huawei Fusion Cube HCI racks** (with cloud engine switches, fusion compute hypervisor & ocean store storage)
- Automation of testing, monitoring & troubleshooting procedure for network equipment using Python programming

### NIMS Group of Institutions, UAE

- Successfully **rolled out the new Business Operations Software** – Benchmark Manager in all schools and ensured smooth transition of operations from the old software to new during the start of new academic year
- Implemented new modules in the LMS software for **student academic performance analysis reports** based on KHDA requirements.
- Rolled out **new in-house developed proctoring tool** for school online examinations.
- Handled the **life cycle of new mobile application** for parents, from strategic planning to business requirement to functional requirement to beta release to final release.
- Implementation of cloud hosted centralized Document Management Software in **AWS**

### Interconnect FZ LLC

 (on-site support @ Al Mawakeb Schools, ISAS Dubai, and German International School)

- Upgradation of **WLAN Infrastructure** to Enterprise-grade Huawei Co-Care standard AC6508 and AP6050DN
- Setting up **Access Control Policies, Branch Office VPN Tunnel, Active Directory Integration, and Remote Access VPN** using WatchGuard Firewall.
- **Server Migration** from Windows Server 2008 R2 to 2012 R2, for Active Directory, DHCP, DNS, WSUS, WDS Roles.
- **Setting up cybersecurity policies** such as user access policies, password policies, device management policies, remote software installation, scheduled system maintenance through Windows Server 2012 R2 Roles and Features.
- **Virtualization of application servers** in to **Hyper-V hosts**
- **Upgradation of Network Infrastructure** on campus to Huawei S600 Series appliances. Configured network security policies, web filters, VLANs ACLs, SNMP, and Port Security
- Implemented cost-effective computer labs using 90 **HP Thin Clients** and **Windows Remote Deployment Service (RDS)**
- Upgradation of **Enterprise WLAN Infrastructure** to Enterprise-grade Extreme Mobility Products.

## EDUCATION

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- **Master of Engineering Technology:** Embedded System Design - 2011  
Hindustan University – Chennai, India
- **Bachelor of Engineering Technology:** Electronics and Communications Engineering (UAE equivalency certified) - 2009  
Mahatma Gandhi University – Kerala, India

## CERTIFICATIONS & TRAINING

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- **Google IT Automation with Python**, Google Career Certificates. Credential ID EMPEAGJD8PW
- **Google Cybersecurity Professional Certificate**, Google Career Certificates
- **Basic Offshore Safety Induction Emergency Training (BOSIET)**, OPITO
- **ADNOC Offshore HSE Induction (OPITO Approved)**, GTSC UAE - Gulf technical & safety training center
- **ITILv3® Foundation Certificate in IT Service Management** License GR750453109MI
- **AWS Certified Solutions Architect – Associate** Credential ID LRG52H52JJFEQG3C
- **MCSE Windows Server 2016** Core Infrastructure
- **Cisco Certified Network Associate (CCNA)** Routing & Switching
- RHCE, CompTIA Network+, CompTIA Security+, ITIL v4 (Training)