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Profile :

ICT Architect & Services Assurance Consultant with a practical hands-on approach to design and implement ITC Solution Service & NOC/SOC operation centers with proven achievements/projects records with major Telcos & Fintech companies in Libya and UAE , a strong project management & people motivation & mentoring with strong R&D approach for ICT solutions Integration of Challenged ITC/NOC/SOC components, with vast expertise in OSS Technologies CNCF & cloud design for Public & TelcoCloud with cloudNative/Kubernetes/containerization & Microservices vision for future IOTs services&SmartCities with 5G new EVP core using OSS 5g VNF-ETSI standards.

Career Objectives : To lead challenging projects in ICT/Telecom Services and cloud projects for public&TelcoCloud needs, and the future 5G Strategic services including Smart-Cities and IoT edge Telemetry services/slices.

Experience& Major Projects : **+30 years** IT Management, ICT/Telecom experiences in Operation management & planning, project management&implementation, Systems&Networks, ERP, BSS/CSS Solutions Design&implementation & operation&training, expert in Services Assurance (NMS & QOS & Security) Linux/HP OV and new Public/Private Cloud/TelcoCloud with KVM/ONAP/OpenStack/Vmware VDC.

Major Projects Achievements :

2023 :

- **Establish & Founding the Cybersecurity Academy (www.cyberacademy.ly)**

2022 :

- **Launch the 5g TestBed learning platform initiative for EDU & RD in Iot & SmartCities initiatives with Almadar Cloud Sponsorship (www.5glibya.ly)**

2020/2021:

- **Desing/Architect the Hackathon Cybersecurity CTF-Competition www.hackathon.ly sponsored by Almadar Cloud.**
- **Design/Architect Sadeem Cloud Service (Kubernetes) for HybridCloud/Edge cloud/Iots www.sadeem.net.ly (Under DVP)**
- **Supervising University Msc Degree project in Kubernetes/K3s online auto-scaling Eshop - for AlJelfa University-Algeria.**

2019/2020:

- **Design/Implement Masarat Fintech, Security Operation Center SOC , Training&Implementation project People/process&technologies (SIEM/Threat Intelligence and Incident Response & Deception honeypots)**

2018/2019:

- **Project Architec&security of Tatweer Fintech project for Ajomhouria BANK (Electronic Checks Printing Center Web Solutions)**

2014/2016: **Masarat People Development and NOC implementation with OSS tools P&P&Tech**

2012/2013: **Hatif Libya Security Awareness program and Virtualization transformation.**

2009/2012: Aljeel Aljadeed ISP IT management ISP operations NOC/SOC with OSS/linux people&process&techs

2005/2008: Libyan Mobile Phone IT Management corporate Cisco Data/Voice Backbone , Oracle ERP, Cisco Callcenter project successful implementation.

2001/2005 : Etisalat System Engineer, project member to implement Services Assurance project NOC/SOC with HP openview Tools/Portfolio with strong R&D and integration problem solving with OSS/Linux tools and creative thinking to customize & Tune project tech-component with HP approves for tuning scripts & solutions feature expansion to full Etisalat need (demo/show..available).

Technoogy &Tools : Linux&Unix&MS solutions with Strong knowledge&experience in Virtualisation&WebHosting& Web solutions design & implementation with latest MS ASP.net core 2.0 technologies(Visual studio 2017, C#,MSSQL 2019...)Open source tools/Linux, KVM,Citrix,Vmware Esxi,vsphere,Docker,K8S, Github, GitLab CD/CI , Websecurity, OWASP top 10 implementation in Dotnet & php laravel, security headers control & WAF , Opensource mastering & innovations, hacking CTF & hackthebox, OSINT opensource Intelligence & python automation,managed services solutions automated scans&monitoring.

Cloud OS & Virtualization Stacks : Private/Public Cloud with OSS,MS- Azure,Vmware,Citrix, openstack (Redhat,Ubuntu,vmware, kvm, Runcher-K8S,k3s,Docker,DevOps CD/CI, SecOps...)...etc.

Telecom&Banking Experience :with Major Telecom Operators more than 10 years (UAE-Etisalat 5years, Libyana 3year, Aljeel Aljadeed 3years), Masarat Telecom & banking services (2 year SMS services Infrastructure assurance project), Tatweer (1 year) Aljomhouria Online Electronic Check Management&printing system., Openvision ICT security services: Hackathon Libya 2020/CTF Game (www.hackathon.ly)

Major Qualification: B.Sc Degree of Computer Engineering Tripoli University, Tripoli (1984-90)

Certification :

1. ISO 27001 LI (Lead Implementer	2022
2. Mile2 CISSO Certified Information Security & Systems Officer	2022
3. Mile2 CPTe Certified Pentesting Engineer	2022
4. Astaro (Sophos) Security Gateway Certified Engineer ACE.	2009
5. HP OpenView accredited systems engineer ASE - (Network&Systems)	2003
6. HP OpenView accredited Integration Specialist AIS - (Network services)	2003
7. HP OpenView accredited Integration Specialist AIS (Systems&servers)	2003
8. HP Unix Certified systemIs administrator CSA	2002

Career History :

Openvision for ICT Security Services CTO/Owner Tripoli Aug 2019 - now

CTO @ openvision for ICT security services&consultant, to assist in rebuild&secure security managed service & Cloud Strategy for oepnvision, and build security awareness training programs&workshop with local&overseas partnerships to provide latest security education for local ICT market private &Government focusing in services assurance & QAS, Security

Awareness & principals, Ethical hacking, pentesting, security strategy & planning, SOC/NOC/SEIM implementations, security assessment & gap analysis.

Major Projects :

- 1) Design & Implement Security Operation Center (SOC) for Masarat Fintech service company (www.masart.ly) with opensource & OSINT tools
- 2) Redesign Security & architecture for the Jomhouria bank Electronic Checks print systems (using MS donet core2 & MSSQL 2019) (<https://banking.tatweer.ly>)
- 3) Implement the first CTF competition in Libya Hackathon 2020 (www.hackathon.ly) Dockerized/cloudy solution (kubernets)
- 4) Learning Labs (UV-LMS) (www.hacklabs.ly) for cyberacademy programs www.cyberacademy.ly 2021-2022

Tatweer

Project Manager/ICT Consultant

Tripoli Aug 2018 -2019 (June)

Tatweer (www.tatweer.ly) ((project Manager & consultant))

Plan and manage the infrastructure and solution component by Analysis/Redesign (Online-Offline data requests transfer and status update), integration & implementation for Electronic check printing center & web application for more than 80 branches (Aljomhourian Bank) (<https://banking.tatweer.ly>), with full Security measures for monitoring & Web protections.

((Strongly secured site with latest MS-DVP ASP.net Core 2.0 recommendation and security organization (like <https://owasp.org>)))

The Solution website is classified as **A+** secure site with <https://securityheaders.com/> security headers Scanner (using of securityheaders.com is free of charge to assess your site security).

Supervising the system analysis & ERD redesign to meet fast data delivery and full system tracing & accountability & fast system caching and publish with smart API services for data PUSH/PULL for online/offline data synchronization between online solution and local printing center. (SQL-Online + SQL-Offline with sync-API)

The solution is hosted in the cloud with VPS hosting servers implementation (windows 2016, MS sql 2017, IIS 7.0) with ASP net core 2.0 solution implementation (operation, security, system activities logging, tracing, monitoring.

(managing team of 4 programmers + 2 systems engineers)

Masarat Telecom Services

ICT Services Assurance Consultant

Tripoli - Libya

July 2014 - to 2017

ICT service assurance consultant and ICT & Security awareness leader & instructor for Masarat team & telecom & planning & implement security program for Masarat SMS-Services connected to major Banks infrastructure including security implementation for data center IDS/IPS & logging, NMS , VPN monitoring & QOS, career planing for ICT team, Mobile apps security & control & security audit,

Design & supervise the implementation of new DataCenter Virtualized infrastructure using (VMware ESX 6.0, Pfsence (Virutual IDS/IPS, proxies (forward/reverse), NMS solutions, using opensource

soft&tools, Design & implement company NOC&SOC, implements ServiceDesk ITSM management & CMDB using Opensource software (ITIL compliant).

Special Security Awareness Course to **Haif Libya** (<https://www.hlc.ly/>), conducting a security Awareness program for IT team to handle new infrastructure project.

Aljeel Aljadeed for Tech **CIO/CSO Chief information Technology** **Tripoli - Libya** 2010 - 2013
Working as IT manager to build IT infrastructure & services from ground up and start the planning & strategy for services assurance of Aljeel expected OSS/BSS systems as well as security assurance for all company ICT assets&services, plan for Datacentre Infrastructure project, NOC & SOC design&implementation.

Babel Technologies **Network & Security Consultant** **Tripoli - Libya** 2008 - Aug 2010

Working as ITC Networking & Security solutions Consultant for local market enterprise and telecom companies, design/implement Datacenters and ITC infrastructure services, security services (awareness, audit, hardening, penetration testing...etc),

- ISP Network&VPN&ISP Services (DNS, Mail&webhosting) Infrastructure Design, for Aljeel-Aljadeed ISP/ICT infrastructure project.
- Develop/conduct the OSS workshop for traffic management and assurance with open source tools. (traffic understanding with security perspective). (content available on demand)
- Develop the security services portfolio of Babel Technologies.
- Conduct CCNA, Redhat training RH033, RH133, and Ubuntu for local telecom customers.
- Develop customized NMS solutions based on opensource tools for telecom customers.

Libyana Mobile Phone **IT & Development Manager** **Tripoli - Libya** 2005 - 2008

Working as IT & Development manager (CIO) for Libyana Mobile phone, building IT organization and services with team of 27 engineer/staff, handling the Training planning & development for Libyana, build the business processes of Libyana through the consultancy shadow management project agreement with Detecon telecom consultancy.

- Build IT organization structure&team with skills set and certification career path to handle IT operation in Libyana. (more than 25 engineer)
- Manage & Implement the Network BBO project with CISCO VIVID (VoIP & DATA).
- Plan & contribute in the Call Center Project for 4000,000 subscribers with 50 agents.
- Manage & Follow-up the Oracle ERP project with oracle 10g and oracle application business suite 12.0.
- Implement the secured automatic data transfer for MACH clearing house (billing settlement) including VPN & HA services.
- Internet/Intranet presence for Libyana Websites & Services (www.libyana.ly).

ETISALAT - Internet&eSolution **Systems Planning Engineer** **Dubai-UAE** 2001 - 2005

Working as planning engineer in the IP planning&projects development department, Network & systems services & management solutions to all our ISP services (Mail, cache, Dial-up, ADSL CM services... DNS.....) as well as Provisioning new services implementation.

- Traffic management solutions and traffic control (p2P traffic control and total BW control)
- IWAN Wireless solution implementation and monitoring.
- Dial-up service enhancement with streaming and compression solution.
- Enhancing HP Service Desk with highly available Webserver front end for trouble ticketing.
- Traffic monitoring for suspect intruders (route&sniffing for a specific monitoring purpose) (BlackHoling).
- GRX (GPRS Roaming Exchange) project implementation and monitoring member.
- Network and Systems capacity management using HP-OV tools.

- Traffic analysis of p2p case study for etisalat selected Internet Pops (traffic usage monitoring).DXB&AUH Datacenters implementation/coordination (Building...furniture...AD/DC power..
- DXB & AUH NOC (Network Operation Center) setup from ground up (Datashows, Screens. Video conferencing...) and integrations with HP OV monitoring tools.

More Details of responsibilities & duty activities:

- Manage the NMS for ETISALAT Internet & E-Solutions network Infrastructure and Services, (**systems administration, performance, user management, systems patching and updating, backup & restore, hardware upgrade, systems tuning & monitoring, shell scripting for System Admin activities automations.**)
- Managing and administering NNM 6.2 Collection Stations in **Sun Solaris 8.0 system**
- Automate the NNM maintenance & discovery and devices operations with scripts to minimize operational time. (Maximum automation)
- Reporting and data formatting for management presentation of NMS periodic activities reports.
- Process development and design for Network & services implementation and discovery.

Dubai Government Workshop Network Administrator Dubai, UAE April 1998 – May 2001

- IT Department In-charge & Intranet Administrator.
- IT team building and incorporate/support to serve the corporate IT automation needs & goals.
- IT department budgeting, resource planning & recruiting to rebuild the corporate IT services.
- Re-design/improve the Intranet Network (Servers, switches, hubs, NIC upgrade, cabling).
 - System Integrations, upgrade, migration and development planning to upgrade legacy applications to successfully manage 10Ks government cars fleet.
 - **Major achievements:** Year 2000 Problems Project Management, plan/execute y2k project to fix all affected system/hardware (tune software code/application & Systems BIOS), **with 0\$ budget achievement.**

Sharjah Net Network Engineer/Webmaster Sharjah, UAE Nov 1996 – March 1998

- Administering & Management of Internet Services, and webhosting administration.
- WebPages Design & HTML programming, Perl CGI & Javascript programming.
- Network Installation and Database solution management and backup.
- Databases administrating & management (Backup, Restore, Recovery...using ARC servers).
- Webserver Project Transfer : Transfer & Converting Perl CGI & forms running under Unix Server with Apache webserver, to MS IIS 4.0 Server.

Ministry of Housing&Utilities Network Integration Project Manager Sirt-Libya Aug 1994 – Nov 1996

- Computer Department Management, Team building, IT department budgeting and resource planning.
- Ministries Network Integration Project management & coordination.
- ICL UNIX V Server with Netware 3.2 Module, Network Administration, Users Management, Backup/Restore, System Monitoring & performance.
- Network Users management, Data Management backup/restore, Dealing with suppliers & customers.
- Fisrt INTERNET PUBLIC LECTURE IN Libya 1997 in IT DPT/ Faculty of engineering.

Tripoli Computer Systems Computer Trainer/Instructor Tripoli-Libya April 1991 – Aug 1994

- Computer Courses Instructor (DOS, Windows 3.x, MS-Word, MS-Excel AutoCAD, Lotus 123, Quarto pro. WordPerfect, DrawPerfect...& other.....)
- Planning & Designing computer courses, Arabization & authoring, instructing different computer courses.

References : references are available upon request.