C.V. Cover Letter

**IT Unix Systems – Computer Networks – Cyber Security**

(UNIX Administration, IT Networks Infrastructure, IT Security, Medical Imaging RIS-PACS)

**Dear Hiring Manager:**

I am writing to apply for the IT Systems and Networks position. I am a Senior UNIX Systems professional with more than ten years of experience in the System \ Network Administration field and an consultant expert in Computer Forensics.

I am detail driven with an eye for spotting errors. My analytical skills are sharp and I am able to solve complex problems. I possess excellent time management skills and am able to meet deadlines for multiple projects. I am very knowledgeable in the use of computers and programs geared toward digital security and integrated infrastructure of system and network administration.

I am quite certain you will find my expertise and talents to be what you are looking for in a UNIX or Windows Systems\ Networks\ Cyber-Security Engineer. Please be in touch at your convenience to schedule an interview. I look forward to meeting you and thank you in advance for your time and consideration.

Recently, I'm Freelance Software Developer for Advanced Systems, IT Networks Architecture Design and ICT Solutions/Systems Consultant, for Commercial Buildings Porjects like Hospitals, Airports and Industrial Organizations. I seeking a good full permanent job, within the ICT field.

I'm interested in PACS System/Networks Design, and how to integrate in Overall Hospital Healthcare enterprise HIS,RIS,HL7. I have gathered many resources regarding the hot Products/vendors, like Agfa, Philips, GE, Centra, etc, and reviewed many researches and studies about the next trends in PACS technologies and Radilology Imaging, and how to optimize the all healthcare processes workflow according for the clients needs and expectations. Keeping the Network infrastructure Operation performance in good qulaity zone, over 24/7 timeline, considering the expected scheduled orders peak hour and network data routing traffic loads.

Skype Interview : Account name : Eng\_Ashraf.H .

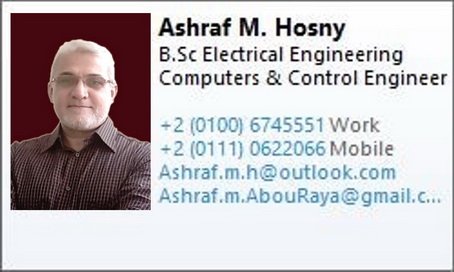
Work availability is ASAP and/or as soon as required.

LinkedIn Page:

[**https://www.linkedin.com/in/ashraf-mahmoud-hosny-48611b32/**](https://www.linkedin.com/in/ashraf-mahmoud-hosny-48611b32/)

Business Page at  "Digital Technology Systems", DTS:

[**https://www.facebook.com/pg/DigiTechSystems.DTS/services/?ref=page\_internal**](https://www.facebook.com/pg/DigiTechSystems.DTS/services/?ref=page_internal)



Sincerely,

Best Regards.

**Ashraf Mahmoud Hosny AbouRaya**

*B.Sc. Electrical Engineering,*

*Computers & Control Systems.*

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**IT Unix Systems– Computer Networks - Cyber-Security**

(UNIX Administration, IT Networks Infrastructure, Information Security)

* **Summary of Work Experience :**
* Eng. Ashraf Hosny is experienced "IT UNIX Systems and Networking Infrastructure" with over 25 years experience in the information technology field.

Ashraf’s Relevant Core Competencies and Skills

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UNIX Systems, Python, Shell | ⚫ | ⚫ | ⚫ | ⚫ | ⚫ | Cyber security | ⚫ | ⚫ | ⚫ | ⚫ | ⚫ |
| Network Security & Administrat. | ⚫ | ⚫ | ⚫ | ⚫ | ⭘ | Cloud Computing | ⚫ | ⚫ | ⚫ | ⭘ | ⭘ |
| System Backup/Recovery | ⚫ | ⚫ | ⚫ | ⚫ | ⭘ | Computer Networks Design | ⚫ | ⚫ | ⚫ | ⚫ | ⭘ |
| Virtualization and Clustering | ⚫ | ⚫ | ⚫ | ⭘ | ⭘ | WLAN, RF,Video Surveillance | ⚫ | ⚫ | ⚫ | ⚫ | ⭘ |
| Storage SAN - NAS | ⚫ | ⚫ | ⚫ | ⚫ | ⭘ | Project Management | ⚫ | ⚫ | ⚫ | ⚫ | ⭘ |

* **Core Accomplishments**
* Ashraf has broad experience with building, maintaining and upgrading hardware and small networks, and with installing and configuring operating systems and applications.
* Administered a multiplatform of UNIX servers, Shell programming for Automating Data Backup.
* Managed the project planning, coordination and deployment of "Suez Canal University" Information Network systems for new establishments and upgrading the older system.
* Approved the Contractor Design’s Submittals of Tanzania Airport Terminal III, (ICT, Fire & Systems).
* Design of core scripts to automate Splunk SIEM maintenance and alerting tasks. Support Splunk on UNIX, Linux and Windows-based platforms. Assist with automation of processes and procedures.
* Resolved system slow-down issues through network migrations, reconfigurations, integrations, and troubleshooting.
* Identified vulnerabilities by testing infrastructure security, using automated tools and manual testing.
* Led a design team on 12 ELV Buildings design projects in 2014-Q3, 30% more projects than 2014-Q4.
* Successfuly Designed Hospital Netwrk upgrade Cisco based System, had corrected the client Network's complaint issues like the occasional downtime and slow response times, as well as to improve productivity and increase security of the confidential data, and managed the project planning and communicating the Stakeholders, had supervised the team to implement the project within the planned budget, on time schedule and with minimum change management.
* Performed ISO27001:2013 security assessments for many clients upon third-party suppliers.
* Perform network monitoring and capacity planning, ensure network performance meets SLAs.
* Recommending end-to-end IT security solutions, including architecture/design, process creation and development and basic project management, all in line with industry good practice.
* Utilized Splunk SIEM to filter and investigate events for possible intrusions.
* Industry research on security trends, goal of potential improvements in our own processes or tools.
* Develop and train members of the Information Security Operations team to grow their technical and professional capabilities and skill sets.
* Developed Court’s Document Management Application, saved funding outside product supplier.
* Created a +150-page Access Control Security training manual from scratch and led training sessions for STC Client Employees.
* Sound Reinforcement (ELV) System Design, for Arabian Royal AirForces College Auditorium.
* Designed & Planned Video security projects, site surveys, technical documents and budgeting.
* Managed full range of project development with a specific emphasis on designing and supporting inter-networks products, with focus in delivering project scope within budget and schedule.
* He has a proven track record in highlighting and resolving technical issues, coordinating team efforts for installations, upgrades, and problem resolution.
* Maintained a 95% client’s satisfaction rating over a 24-month period as a technical support engineer.
* **Work Experience : (in Order of Relevance)**
* Dec.,2014 - Oct., 2018: **Freelance, Senior Systems Design Engineer**

Main Activities: ( <https://www.facebook.com/DigiTechSystems.DTS>)

* IT Security System – Network Assessment, Risk Analysis, Penetration Testing, Policy Consulting, Best Practice Guidelines, Securing LANs, Building Security Center SOC, Proposal Preparation.
* Video Surveillance Systems Design Services.
* Training Delivery : Information Security - UNIX Systems - MATLAB.
* Sept.,1998 -Aug.,2000: **UNIX System Administrator**

Employer: Information & Decision Support Center, (**IDSC**), "Cabinet", Cairo.

Main Activities: Heterogeneous UNIX Servers Administration, DaseBase, Shell Script,

Software Development (Court Documents Scanning Archive Application).

* Oct.,1995 -Aug.,1998: **System Administrator**

Employer: Design & Technology Development Center, (**DTDC**), "Military Production".

Main Activities: Administration HP Unix Workstations with CAD/CAM I-Deas Application.

* Sept.,1994 -Sept.,1995:  **Project Manager** (IT Project : Suez Canal University)

Employer: Engineering Company for Trading and Supplies, (**ETS**), Egypt.

Main Activities: Project Management, ATM Networks Design, UNIX, Site Preparation

* Sept,1991 -Aug.,1994: **Technical Support Engineer**

Employer: Advanced Computer Technology Co., (**ACT**), Cairo, Egypt.

Main Activities: UNIX systems, Novell Netware, Customer Support, Instructing Courses.

* Sept.,2000 -Aug.,2003:  **Security Systems Engineer**

Employer: Arabian Computer Projects, Ltd., (**ACP**), Riyadh, Saudi Arabia.

Main Activities: Information Security, Video Surveillance, Access Control, Field Technical

Test, Customer Support, AIX Informix SQL Scripts for Custom reports.

* Oct.,1989 -Aug.,1991: **Computers Engineer**

Employer: MisrTrontech Co., Cairo, Egypt.

Main Activities: Computerized Shooting Range Project, Electronics, Computer Control,

Software Development, Microcontrollers, PCBs Boards Circuits Design.

* Sept.,2008 -Aug.,2011:  **Technical Manager (Security Systems)**

Employer: Secured Smart Systems., (**3S Group**), Cairo, Egypt.

Main Activities: IT and Physical Security Systems, Video Surveillance, Access Control.

* Sept.,2011 -Nov.,2014: **Senior Electrical, Low current/ BMS/ SCADA Design Engineer**

Employer: Arab Consulting Engineers (Moharram – Bakhoum), Cairo.

Main Activities: Technical Design, Approving Design Submittals, CCTV, Access Control,

Public Address, Water Plants SCADA, Room/Building Sound Acoustics Design, Fire Alarm

Systems, Car Parking systems,Approving Airport Terminal Systems Contrator's Submittals.

* Sept.,2006 -Aug.,2008: **Electronic Equipments & IT Procurement Manager**

Employer: Alexandria Construction Co., (Talaat Mustafa Group), Cairo.

Main Activities: IT Support, Equipments Procurement, Contracting, Negotiation.

* **Education:**
* **B.Sc.**, Electrical Engineering, Computers and Control Systems Engineering, 1988.

Ain-Shams University, Faculty of Engineering, Egypt.

* **Post Graduate Studies**:

**Diploma** in Industrial Systems Engineering Technology, 1998, Ain-Shams, Faculty of Engineering.

**Preliminary Master’s Degree**, M.Sc, (Course Work), 2000, Ain-Shams, Faculty of Engineering.

* **Formal Training, Courses Taken** (Class Instructor based courses) **:**
* **PMP** Project Management Professional, Exam Preparation Course,Sept, 2010, Brisk Consulting, Egypt.
* **HP UNIX Administration & Shell Programming.** 1997, Orascom Training (Solutions Plus), Cairo.
* **CompTIA Security+**, 2005, New Horizons, Egypt.
* **Training To Trainers**, 2006, IBM Training course, Fast lan, Egypt.
* **Training Courses Delivered, "Courses Instructed"** **:**
* **Technical Computing "MATLAB",** Intro. & Advanced Course, 2015, IBM INFORM Center, Cairo.
* **Enterprise Access Control Security**, Fundamental & Practical Course, 2001, ACP Co, Saudi Arabia.
* **Techncial Courses, and Self-Studies:** 
  + IP LANs Networks Design using OPNET and GNS3 Performance Simulation Tools.
  + Campus LAN Network Design, WLAN Site Planning and RF In-Building DAS Design.
  + Sun Solaris, HP-UX, AIX, Ubuntu, Kali UNIX Administration.
  + Python for System, Network and Security (Ethical hacking) Administration.
  + Veritas Enterprise Storage Backup Management.
  + Security Operations Center (System Planning. Design and SOC Team Building).
  + Security Information and Event Management (SIEM), Splunk ES, Managing Incident Handling.
  + Ipswitch WhatsUp Gold Premium, (Network Availability and Performance Monitoring).
  + SolarWinds Network Performance Monitor and SolarWinds Orion NetFlow Traffic Analyzer.
  + Paessler PRTG Traffic Grapher (Bandwidth and Network Usage Monitoring).
  + SolarWinds Kiwi CatTools (Automatic Network Configurations Tool).
  + AdRem NetCrunch (Network Troubleshooting, Predictive Monitoring and Alerting Toolkit).
  + IP Video Surveillance Networks Design with Software tools and Revit CAD.
  + IT Control Rooms, Rack Cabinets with Devices and Cabling Capacity Planning.
  + Kali Linux with Hacking, Penetration testing and Security Tools.
  + Vulnerability Scanner, Threat hunting tools.
  + Information and data breach Risk Assessment and analysis.
  + Cisco Design CCDA, CCNA R&S, CISSP, CCNA Cyber Ops, CEH, CISM, Security+.

**Technical Skills**

Healthcare IT PACS/RIS/HL7 systems, UNIX Operating Systems, Networks, Security Systems Administration, Cyber-Security Planning and best practices implementation, AI learning Malware Detection, FPGA based Malware and DDOS attack Detection, Firewalls (Sophos UTM, Cisco ASA, Palo-Alto PAN), IDS/IPS, Honeypot and Honey-nets, Vulnerabilities Management, Threat Hunting, Risk Assessment, Network security assessment, DMZ load balancing, VPN, web penetration testing with Python, Risks Analysis, Cyber Security planning and SOC operations, Leading IT Security Team Stuff.

UNIX Administration (HP-UX, Solaris, Kali, Ubuntu), Shell Programming, Batch scripts for automating tasks, Python scripting for network and system Administration, Microsoft Windows Administration (Active Directory), Veritas NetBackup, Oracle Sun Servers, EMC (SAN – NAS) Storage Solutions, HP Virtualization, Software Development (Visual Studio, C++, C#, Delphi, MATLAB, JavaScript), SQL DB, , R&D System Analysis and Design, SysML Modeling, Embedded Systems, IoT solutions.

Other skills include Microsoft Office, Microsoft Project, Visio Drawings, AutoCAD, Revit MEP, ConceptDrawings, RF IBS/DAS Systems, IP Video Surveillance, ELV Light-Current & Sound Systems Design, WLAN /WiFi Site Survey and design, Physical Security Systems, Structured Cabling, FTTx, Water Plants SCADA, NI LabVIEW Instrumentation and control, Matlab/Simulink Control Algorithm development, Morphological Imaging Processing, IBM CPLEX Optimization and Operations Researches Solutions in TSP, SCM, VRP problems Optimization.

**References :**

* Eng. Ehab Al- Hossiny Al-Mogarbl +201007535155 [Ehab-Hosiny@ace-consultants.com](mailto:Ehab-Hosiny@ace-consultants.com)

ACE - Power Electrical Systems Consyltant

* Mr. Saud Nagla +201005010300 [snagla@3s-group.com](mailto:snagla@3s-group.com)

Secured Smart Systems 3S - Company Owner