



# AHMED TALAAT

Full Stack Engineer

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## SUMMARY

A talented Full Stack Engineer offering 5 years of experience in a Unix/Linux/Windows physical, virtual and cloud infrastructure and expertise in many IT fields like network, support, security, system, software and several flavors of Linux including Red Hat, CentOS, Arch Linux and Ubuntu as well as multiple programming techniques such as HTML5, CSS3, JavaScript, Python, Ruby on Rails, Hybrid Mobile Development and WordPress.



## WORK HISTORY

### APPLICATION DEVELOPMENT SECTION HEAD

#### SAK HOLDING GROUP (QATAR)

JAN 2017 - PRESENT

- Leading, planning, designing and developing mobile application development to help consolidate all the company's applications in one platform.
- Technical & functional Microsoft Dynamics 2012 R3 project management, implementation and consultancy.
- Re-innovating the company's IT infrastructure, by upgrading the old domain, migrating the data-center environment from a physical to a virtual/cloud one and implementing new open-source system solutions like backup solutions, ticketing system, fax server and intranet.
- Training the team, planning, collaborating together and applying knowledge transfer periodically.

### SYSTEMS ENGINEER (FULL TIME)

#### DAR AL SHARQ (QATAR)

FEB 2014 - JAN 2017

- **Webmaster:**
  - Troubleshooting server issues via ssh terminal.
  - Hosting administration & consolidation.
  - Linux system administration.
  - Odoo ERP administration.
  - Web migration, files and SQL databases.
  - Cloud Administration Amazon Web Services, Digital Ocean and Google.
  - Automating and scheduling server scripts in bash and Python.
- **Cloud & System Engineering:**
  - Nutanix VDI Project implementation & support.
  - Implementing, administering and supporting Odoo ERP.
  - Implementing Backup Solutions and Redundancies.
  - Preparing & supporting Application servers and web servers (Nginx, Apache, Tomcat)
  - Secure Print solution implementation administration & troubleshooting. (Canon uniFlow, Sharp Papercut)
  - Windows Server DHCP, DNS, Shared folders, Active Directory implementation and support.
  - Creating and operating Docker Containers on the cloud.
  - Administering, operating and migrating cloud environments hosted on AWS, Google, Digital Ocean & LiNode.

- **Network Administration:**
  - Administering and supporting CCTV, IP-Camera's and its network.
  - Implementing, administering, migrating and supporting company's emails.
  - Avaya IP Office VOIP system administration.
  - Configuring and installing Cisco & HP switches.
  - Troubleshooting Network faults at both the client and server side
  - Administrating Emails through split-delivery, Dovecot, Postfix & Exim as well as GoogleApps.
  
- **Security Engineering:**
  - Securing Emails through IP, SPF & running Dovecot, Exim & Postfix on CentOS & Red Hat.
  - Preparing firewall rules to prevent intrusion for abnormal ip behaviors.
  - Implementing Cloud Flare Security to the domains.
  - DDoS protection & session Control.
  - Implementing and administering Server Antivirus.
  - Securing the server ports and access.
  - Pen-testing, SQL Injecting and brute force testing the servers.
  - Securing the server ports and access.
  
- **Web Developing & Programming:**
  - Creating dynamic websites using Wordpress.
  - Creating static Websites using HTML5/CSS3.
  - Programming web app features using Python.
  - Mobile App development using Apache Cordova & PhoneGap.
  - Implementation and light modification of open-source solutions like OS ticketing systems, Odoo ERP, Orange HRM, Sugar CRM, ZPanel, Webmin, Openfire, Own Cloud and lot others.
  - Leading & Supporting full projects.
  
- **Technical Support:**
  - Troubleshooting all software and hardware issues.
  - Installing and troubleshooting software and equipment.
  - IT Purchasing Operations.
  - Troubleshooting Microsoft Windows XP, Vista, 7, 8 & 10, Linux Ubuntu, Debian & Mint.
  - Configuring & troubleshooting Microsoft Outlook, emails issues and assisting clients with rules and automation.
  - Troubleshooting printers, network and domain issues.
  - Custody management and Inventory.
  - Manipulating Raspberry Pis to match work needs.

## **FULL STACK ENGINEER**

**SUDOOO**

FEB 2012 - PRESENT

- Managing sales, pre-sales and marketing over Social Media.
- Implementing and tailoring ERP solutions according to clients' requirements.
- Developing websites, web applications and mobile applications.
- Planning and deploying cloud architecture as per each company's needs.
- Migrating physical, virtual and cloud infrastructure.
- Planning, deploying and tailoring full system, network and security appliances starting from per application and up to per data-center.
- Installing, setting up and configuring open-source applications.

## **ENGLISH INSTRUCTOR (PART TIME)**

**SYLVAN LEARNING CENTERS (QATAR)**

AUG 2012 - FEB 2014

- Tutoring English as a first language.
- Tutoring Maths(level: college)
- Tutoring calculus, physics and E.E associated subjects.(circuits, electronics. etc)
- Homework support.
- IGCSE, SAT, ACT, ILETS and high school exam preparation.

**INTERN****BEIN SPORTS (QATAR)**

OCT 2011 - JUN 2012

- Down-linking signals using the parameters & encryption provided, as well as setting them up inside the matrix with regards to their KU/C band.
- Monitoring, scheduling and broadcasting 16 channels at the same time.
- MENOS, Dolby, audio distribution, communicating with offices all around the world regarding different events(i.e; NBA) and soccer leagues(Spanish, UEFA, English, Dutch)
- Live troubleshooting, assigning backup satellites and switching the broadcast if needed as well as the maintenance of all the equipment and electronics troubleshooting(e-chips).

**INTERN****PETROJET (EGYPT)**

JUN 2009 - JUL 2009

- Control rooms, designing & installing fire alarm, audio & CCTV systems.
- MEP tenders & specifications.
- Detecting deficiencies associated with different electronics boards & fixing the detected components.
- Basic application with regards to the cathodic protection.
- ISO calibrations.

**INTERN****BAPETCO (EGYPT)**

JUL 2008 - AUG 2008

Telecommunications Engineer at (2 months)

- Adjusting & maintaining communication towers in various camps.-Network maintenance.
- Signal test driving.
- Installing, troubleshooting & operating satellites & antennas.

**EDUCATION****BACHELORS****ZAGAZIG UNIVERSITY (EGYPT)**

SEP 2006 - OCT 2011

- Faculty of Engineering.
- Section: Electrical Engineering.
- .- Major: Communication & Electronics.
- Graduation Project (Excellent): UMTS & LTE programming tool using C#.

**IGCSE****CAMBRIDGE SCHOOL DOHA IGCSE (QATAR)**

SEP 2003 - JUN 2006

- 8 O-Level Average "A"
- 3 AS-Level Average "B"



## SKILLS

VIRTUALIZATION



PYTHON & RUBY ON RAILS



NUTANIX



CLOUD TECHNOLOGY



AVAYA / VOIP



WEBSITE, WEB APPLICATION & SYSTEM MIGRATION



LINUX



HOSTING



MICROSOFT



CYBER SECURITY



HTML/CSS/JS/WP



## CERTIFICATIONS

### **NPP - NUTANIX PLATFORM PROFESSIONAL**

**NUTANIX**

FEB 2016 - PRESENT

- Virtualization, Containerization and VDI.
- Installing the Foundation System. (Acropolis)
- Upgrading both SATA & SDD storage with no down-time.
- Administering any nutanix Environment.

### **VMWARE CERTIFIED ASSOCIATE - DATA CENTER VIRTUALIZATION**

**VMWARE**

AUG 2015

- Turning a physical infrastructure into a virtual one.
- Administer & Manage numerous ESXi Hosts at the same time.
- Setting Up Hypervisors, load balancing and disaster recovery.

### **USABLE SECURITY**

**UNIVERSITY OF MARYLAND - COLLEGE PARK**

MAR 2015

- Applying usability for all the user-related systems.
- Optimizing the system workarounds of the average users.

### **CCNA (ATTENDANCE)**

**APTECH - QATAR**

APR 2013

- Cisco Routing & Switching.
- Network configuration & security.



## PROGRAMMING LANGUAGES

- **Front-end: (Including responsive designs)**
  - HTML5.
  - CSS3.
  - Javascript.
  - Bootstrap.
  - XML.

- **Back-end: (Including Web Applications)**
  - Python.
  - Ruby On Rails.
  - Wordpress CMS.
- **Database:**
  - MySQL.
  - PostgreSQL.
  - MongoDB.
  - SQLite.
- **Mobile Application Development: [Hybrid]**
  - Apache Cordova. (Android, IOS, Blackberry & Windows Mobile)
  - PhoneGap.



## PERSONAL INFORMATION

Nationality : Egyptian

Date Of Birth: 02/02/1990

Marital Status: Married



## COUNTRIES VISITED

- Malaysia
- Georgia
- Italy
- France
- Czech Republic
- Netherlands
- Germany
- Egypt
- United Arab Emirates
- Hungary
- KSA
- Turkey
- Qatar



## LANGUAGES

**English & Arabic** : Bilingual.

**French**            Beginner.



## HOBBIES

Mountain Biking - Reading - Coding - Anime - Gaming - Travelling - Working out.