

Curriculum Vitae

Personal Information

Name	Ahmed Ibraihm Alutaibi	
Marital Status	Married	
Nationality	Saudi	
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Educational Qualifications

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| 1996-2001 | King Fahd University of Petroleum and Minerals (KFUPM) <ul style="list-style-type: none">- Bachelor of Computer Engineering - Networking Speciality- Awarded the second honor with a GPA of 3.2/4.0- Part of the Computer club which hosts the University's Computer Exception- Part of the University Karate team from 1998-2001- Attained an A+ in the senior design project with Dr. Waseem Raad |
| 2002 | Sun Microsystems <ul style="list-style-type: none">- SUN Solaris 8 System Administration I- SUN Solaris 8 System Administration II |
| 2002 | CA (Computer Associate) Production training that included 7 courses: <ul style="list-style-type: none">- 2 Courses on CA's help desk system- 2 Courses on CA Network Management system (NMS)- One course on CA's asset Management- One Course on CA's Software Delivery- One Course on CA's Remote Access |
| 2003 | Took the full CCNA and CCNP which has 6 courses, they are: <ul style="list-style-type: none">- Introduction to Networking- Interconnecting Cisco Network Devices (ICND)- Building Scalable Cisco Internetworks (BSCI)- Building Cisco Multilayer Switched Networks (BCMSN)- Cisco Internetwork Troubleshooting (CIT)- Building Cisco Remote Access Networks (BCRAN) |
| 2004 | PMI's Project Management Professional (PMP) |
| 2009-2010 | Dalhousie University (Canada) <ul style="list-style-type: none">- Master of Engineering in Internetworking- Awarded First honor with a GPA of 3.975/4.0- Awarded a distinguished reward from the Saudi Bureau in Canada |
| 2011 | Cisco CCNP voice track: <ul style="list-style-type: none">- Implementing Cisco Voice Communications and QoS v8.0 (CVOICE v8.0)- Implementing Cisco Unified Communications Manager, Part 1 v8.0 (CUST1 v8.0) |

2014	Majma'ah University: <ul style="list-style-type: none"> - Building tests and their E-Systems - Requirements for program accreditation - Building program learning outcomes and how to measure them
2015 - 2018	University of Victoria <ul style="list-style-type: none"> - Passed the Beardsley requirements (mandatory for Canadian universities) - Done 4 courses in networks, Security, and Operations research simulations - Passed the Candidacy examination beginning of 2018 - CS committee accepted proposal to research on the area of SDN focusing on Proactive and Reactive Bandwidth Prediction for SDN traffic and its applications

Professional Experience	
2001	King Abdulaziz Medical City (NGHA) <ul style="list-style-type: none"> - Network Administrator
2002 - 2014	The General Organization of Social Insurance (GOSI) <ul style="list-style-type: none"> - Was exposed to many tasks and project which will be discussed in the relevant section
2014 - now	Majma'ah University <ul style="list-style-type: none"> - Faculty Member and a member of the Quality office - Head of the Computer Engineering and Networks Department

Projects and Responsibilities	
General Organization of Social Insurance	
The Unix Project	<ul style="list-style-type: none"> *Was part of the Sun Solaris 8.0 deployment team *The project was the foundation of switch GOSI from the main frame system to the client server *It spanned for 2 months and was used for the past 8 years until replaced by a linux system
Computer Associate project	<ul style="list-style-type: none"> *Handled the project RFQ and RFP *The project Included the purchase of several of CA's product, namely: Help desk, Network and System monitor, Assist Manager, Software delivery, and remote control *The project ran for one year and was the sole administrator for those systems until it was taken by the development team 2 years back.
GOSI Network	<ul style="list-style-type: none"> *Handled the project RFI, RFQ and RFP with 2 other colleagues *This project was the foundation of the GOSI network, installing, connecting and configuring the network devices. *The project also included the deployment of the leased lines connecting the branches to the main offices *GOSI network still rely on the devices and configuration done till this day *Most of the GOSI branches was visited for the purpose of this project *Was and still a GOSI network administrator for WAN and LAN
Juniper Networks	<ul style="list-style-type: none"> *After a solid demonstration from Juniper Networks on their network accelerator we adopted it in our network which gave an average compression of 90% to the network traffic *The devices installed on all GOSI WAN links is still in use (some upgrades were done) *The devices are used also as QoS device *Was and still Administrator for these devices

QoS	<i>*Designing the QoS levels of service for all GOSIs applications</i>
Dial-up	<i>*Dial-up analog lines were impleod in a project to serve as a backup to the main lines were the network device dail in the main offices automaticaly if disconnection is incountered</i>
New Offices	<i>*When new offices were opened all around the kingdom, our team was responsible of building network from ground up while connecting it to the main offices</i> <i>*Been into most of GOSI offices old and new which are 32 for the porpose of installation, upgrade or problem solving</i>
Internet and Web hosting	<i>*In house web hosting and internet connectivity to employees were adupted with partial envolvment in the project</i>
VSAT	<i>*This Project was made to replace the old dialup backup lines, with a more reliable, faster, and STC independent technology</i> <i>*The project used VSAT technology to connect branches with the main offices with transperant failover machanizam</i> <i>*With one of my collieges we handeled the project's RFI, RFQ, and RFP then installed, administred, and monitored those links</i> <i>*The project lasted for 6 months and had been used until 2009</i>
Show Room	<i>*involved in a project to provide the Infrasructure Department with the latest projection screens for showing the GOSI guests a demonstration of the orgnization's attchivements</i>
Data Center Recabling	<i>*The project was aimed to change the unorginzed connection running between the network devices and the server clusters</i> <i>*Each zone was designated a spicific color of cables</i> <i>*Handeled the RFP of the project with one of my colliueges</i> <i>*It was crotual to finish the project in a shot time since all of GOSI systems were discounted, this was accomblished in 1 week in Al-Hajj vocation,</i>
Monitoring Screens	<i>*Implementation of a project in the network department to display the live status of the network showing active nodes and non-active with meaningful colors through big screens TVs</i> <i>*Making an auto program to flip through mutiple windows for more informative display</i>
MRTG	<i>*Adabting and configuring the MRTG which is a network monitoring software to get live and historical reports of the network's traffic and utilization</i>
Congestion Avoidance	<i>*Using the tools in hand to avoid congestions and plan ahead</i>
AL-Daleel	<i>*Programmed a php website integrated with an access database to function as a static corporal address book</i> <i>*Any GOSI employee can be searched with their name or part or their name to find their extention and location</i>
IPT (IP Telephone) Cisco	<i>*Handeled the Projects RFI, RFP, RFQ</i> <i>*Designed the layout of the devaice pools, regoins, call patterens, and sechmatics</i> <i>*Helped in the integration between the system and the active directory and the exchange server</i> <i>*planned for the phone, extention assgnments and their delievery</i> <i>*The main administrator of the system (call manager, unity, presince ,meeting place, reporting) with one of my colleagues</i>

Majmaah University	
lecturer	<ul style="list-style-type: none"> *Wireless system course *Internet protocols course *Blockchain for Master program
College Quality	<ul style="list-style-type: none"> - Head of Quality and Accreditation Office - Building a college question bank - Built a college employment site http://hisham.biz/ - Customized Tcexam to import from our question bank and conducted two exams with it - Quality coordinator for the Computer Science Program - College yearly report
University of Victoria	-Teacher Assistant for the Software Defined Networking

Research Interests	
Network	<ul style="list-style-type: none"> *12 years of experiance in Network administration gives me better insight * Loves to work with traffic patterns and study them *Worked a lot with quality of service *fascinated about new protocols and how they work *Have been researching and made the PhD at uvic proposal on SDN *My goal is to make research in SDN resource allocation, traffic mangment, and security
Security	<ul style="list-style-type: none"> *Have done many courses in the field *Read a lot in Cryptography as a recent interest in Blockchain technology *Interseted in the field
Artificial Intelligence	*Got hooked up in this field in the last two years after it attracted many in recent years. I can read research papers in this field though I never took courses in it
Blockchain	*Got very interested in this field and teach a master level course in it

Publications	
Paper titled " Measuring Delay using Software Defined Networks, Limitations, Challenges, and Suggestions for Openflow ". This paper was published in "ICCNCS 2020: International Conference on Computer Networks and Communication Systems" which was held at Venice Italy August 13 - 14, 2020.	
Paper titled " Network Traffic Prediction using Quantile Regression with linear, Tree, and Deep Learning Models ". It was submitted and accepted at "The 45th IEEE Conference on Local Computer Networks (LCN), November 16-19, 2020. Also it was published in issue of "IEEE Xplore".	
Paper titled " Predicting Data Center Resource Usage using Quantile Regression to Conserve Energy while fulfilling the Service Level Agreement " was accepted for publication and presented in Green Computing, Technology and Innovation Conference 2022.	
Thesis titled " Dynamic allocation of resources using machine learning and quantile regression by harnessing the power of software defined networks " Published in Uvic Spaces 2nd of Jun 2022.	
Paper titled " Classification of Tumor in Brain MR Images Using Deep Convolutional Neural Network and Global Average Pooling " published in Processes 2022	
Paper titled " CLOUD-BASED VIDEO STREAMING SERVICES:TRENDS, CHALLENGES, AND OPPORTUNITIES " Published in Transactions on Intelligence Technology 2023	

Skills	
<i>Team Work</i>	- <i>Project management</i> - <i>Project Deployment</i> - <i>Network management</i> - <i>Programming</i>
<i>Initiative</i>	- <i>Pro-activity</i> - <i>Problem-solving</i> - <i>Task-Orientated</i> - <i>Punctual</i>
<i>Accurate</i>	- <i>Time management</i> - <i>Financial awareness</i> - <i>Negotiator</i>

Certifications and Awards	
KFUPM	<i>*Second Honor with 3.2/4 GPA</i> <i>*Award for help in running the university exhibition</i>
Dalhousie	<i>*First honor with a 3.975/4.0 GPA</i>
GOSI	<i>*Distinguishing award for 3 year (2004, 2007, 2008)</i> <i>*GOSI getting the award of best e-government</i> <i>*Awarded after the e-government recognition</i>
Cisco	CCNA, CCNP
Solaris	SUN Solaris 8.0 administrator
Karate	A first Dan black belt

Other Interests	
Reading	<i>*Science books specially in physics and astronomy</i> <i>*Well made novels</i>
Photography	<i>*A hobby that comes and goes</i>
Watching movies	<i>*In free time</i>
Most recent of technologies	<i>Following up on latest technologies for the personal and organizational benefit</i>
Sports	<i>Some Here and there</i>

Career Objective	
<i>To acquire a position that affords me the opportunity to bring my technical expertise, problem solving skills and willingness to learn to make an organization successful</i>	

Contacats		
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