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A. Ademilola David

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Education

M.S. Telecommunications   Expected Dec. 2019

University of Maryland   College Park, MD

B.S. in Electrical Engineering   CGPA: 4.24/5   June 2004

University of Lagos, Akoka, Nigeria.   Akoka, Lagos, NGR

Computer & Business Skills

Platforms:	Unix, Linux, Windows OS
Computer languages:	Java, Python, MS SQL & Bash Scripting,
SDN/Virtualization:	OpenFlow, VMware vSphere, OpenDayLight, OpenStack, NETCONF, Yang.
Web technologies:	Apache, HTML5, PHP, JavaScript, SQL, CSS, WordPress.
Networking:	IPv4/IPv6, IP Multicast, BGP, IS-IS, OSPF, IP/MPLS, QoS, MPLS TE, Policy-based routing, STP, MST etc.
Business Skills:	IT/Enterprise Project Management, Technical Presales, Solutions Design & Architecting, Business Analysis, Product development.

Current Job:

IT & Network Support, Maryland English Institute, UMD, College Park   **Aug. 2018 – till date**

- Responsible for maintaining and implementing procedures on MEI Student database, using MS SQL
- Lead technical contact for L1 and L2 supports regarding Network related issues, System hardware and Software development.
- Responsible for implementing network services on MEI's domain controller (MS 2012 r2), including system patching and backup activities.
- Responsible for maintaining MEI Website

Previous Jobs :

Mathematics Instructor, UMD's 2018 Educational Talent Search Immersion Program.   **July'18 – Aug.'18**

- Developed Mathematics curriculum for the program based on Common Core State Standards Initiative.
- Taught High School topics like Number and Quantity, Algebra, Functions, Geometry, Statistics & Probability.

Business Solutions Specialist, Bharti Airtel (Nigeria)   **Nov. 2014 – Dec. 2017**

- Led the project and sales team in strategic and focused initiatives to improve Airtel Nigeria Enterprise business unit's market position and to achieve financial growth. Annual revenue increased from around $10m in 2012 to about $150m in 2016. Market share was increased from 5% to 21% within the same period.
- Created and maintained a coordinated and infused plan to deliver solutions that met customers' priorities within budgetary and product requirements. Such strategic efforts earned me an award called, "Airtel CEO Innovative award November, 2013" (joint winner).

Network Solutions Architect, Bharti Airtel (Nigeria).   **May 2012 – Nov 2014**

- Played active and leading roles in all presales processes and in the design of solution architectures that fitted customers' budgets, leading to 84% YOY growth in network services revenue, 130% achievement on sales target, and increased penetration in financial, Carrier and public Sectors.
- Developed enterprise level solutions that integrated across applications, systems and platforms.
- Managed projects and acted as a technical advisor to external parties such as clients and partners.
- Provided leadership and strategic guidance during solution development, integration and testing phases

Technical Pre-sales Engineer/Specialist, Globacom Limited, Lagos, Nigeria.   **Dec. 2009 – May 2012**

- Assisted with clarifying technical questions or concerns during sales process and frequently participated in initial portion of project specification process.
- Scoped the technical solution required to address customer requirements, assessed customers' needs, and recommended solutions that optimized value for clients.

IP Network Engineer (Operations), Globacom Limited, Lagos, Nigeria   **Jul. 2006 – Dec. 2009**

- Managed daily network operational activities of Globacom Business Solutions Network comprising of Internet uplink connections (C&W, PCCW), Satellite backup connections to Intelsat and Skyvision networks (using 7750SR, 7250 SAS, 5620 SAM) and Core internet network comprising of Cisco Cache engine, Juniper Netscreen FW, RAS (redback).
- Developed networks in test labs to resolve highly complex problems and compatibility issues.
- Developed and evolved IP addressing, naming and numbering formats for all Enterprise network nodes.

Awards and Recognitions
- Recommended for Airtel Nigeria CEO's Award for Excellence (2016/17 FY) for outstanding performance in business operations and delivery of enterprise projects at optimal costs.
- Recommended for Airtel Nigeria Service with a Smile Award (2016/17 FY) for investing extra time and efforts in good customer care and aftersales service, leading to increased customer loyalty and retention.
- Nominated for and jointly won Airtel CEO Innovative award, November 2013. Award recognized individuals who brought in new ideas to resolve long-standing network-related issue.

Recent Graduate-level Projects
- A distributed Networking application in Java consisting of a client (which sends a block of data to the server) and a server (which performs some computations and returns the result to the client). The application uses Java's UDP sockets (classes DatagramPacket and DatagramSocket and their methods) and provides some necessary reliable data transfer functionality on top of UDP's unreliable communication services through the implementation of a special data transfer protocol. Project description and code are available on demand.

- A Bash Script that takes as command-line arguments, UserID, GroupID and Absolute Directory path, validates that UserID is a primary member of GroupID and that the Directory path exists, then searches the path recursively to return files where either the User , the Group or Other, has executable right. Project description and code are available on demand.

- Python application that simulates grade of service (GOS) in an Urban setting using Okumura Model. The application functions first determined fading, penetration, shadowing , propagation losses, then using a typical Base Station Transmitter's EIRP and Carrier frequency parameters, calculated a Mobile terminal's received power level (RSL) at various points until RSL falls below a threshold to trigger Base Station handoff to a nearby small cell. The percentage of call attempts that ended as dropped calls gives a picture of what GOS looks like.

- https://github.com/aderise2001/adedavid   #Sample codes repository

Professional Qualifications
- Cisco Certifications: CCNP 2008, CCDP 2009, CCIP 2011, CCIE R&S Lab (one attempt) November, 2011
- Sun Solaris 10 Certified System Administrator (SCSA) 2010.
- IT Infrastructure Library v3 Foundation (ITILv3, March 2012)

Extracurricular activities
- Teaching of Science subjects like Physics, Mathematics, Chemistry, and Further Mathematics. Was a freelance teacher for two years in a community based youth empowerment scheme
- Youth Counseling, Guidance and Mentoring.

References
- Mr. Cameron Poles, Associate Director, University Of Maryland – Talent Search Program.
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- Mr. Oluwasoga Akinro, Network Engineer, AWS.
  2001 8th Avenue, Seattle, WA 98121.
  Cell Phone: 214 281 6084, Email: oakinro@amazon.com.
- Mr. Adekunle Adeleke, Head Of Enterprise Business Group, Globacom Nigeria Limited.
  53, Adeola Odeku, Victoria Island, Lagos, Nigeria.
  Cell Phone: +234 802 222 2778.
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