

TUNDE O. FALADE

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Experience

- **Cox Communications**—Springfield, VA
Systems Administrator: 06/2007 – Present
 - Identify, analyze and troubleshoot alarms, VOIP issue, monitors other telephony issues in the switch.
 - Manage all unplanned network failures and transponder database.
 - Resolve network issues affecting customers with OC-48, DS-3, T-1 and T-3 leased lines and resolve bandwidth issues affecting our customers and SONET nodes.
- **George Mason University**—Fairfax, Va
Faculty Adjunct, Department of Geography : 08/2006 – 06/2008
 - Prepared lesson notes and taught freshman class on World Regional Geography.
 - Organized and graded presentations of term paper.
- **Mayor Engineering Co, Ltd.**—Ikorodu, Lagos, Nigeria
Oracle DBA: 12/2004 – 06/2005
 - Upgraded the company's database from Oracle 8i to 9i and performed database backup and recovery.
 - Created users, developer accounts, assigned appropriate privileges and maintained system security.
 - Monitored table space growth, created synonyms, snapshots, and database link to remote databases.
 - Performed functional analysis, database design, testing and training of end users.
 - Performance tuning, defined constraints for business rules and maintained data integrity.

Technical Skills

- **Wireless Communication Technologies:**
 - Hands-on experience with VSAT design, Communication Link Budget design and simulation of concepts of digital signal processing with Matlab .
 - Understanding of RF engineering, electrical circuit analysis and design using Pspice, Amplifier design to achieve the desired gain and transformer design to achieve the desired power requirement.
- **Networking:**
 - Network and Systems tools: Cisco Transport Controller, Granite, WebXng, Demarc, Conerstone, NetMentor, Sci-Pointer.
 - Protocols: TCP/IP, PPP, Ethernet, Fast Ethernet, FTP, Telnet, SNMP, DHCP, DNS, OSPF, BGP, RIP, MPLS, EIGRP, RADIUS.
 - Network platforms: DWDM, SONET and ATM
- **Operating Systems:** Linux (Red Hat), Mac OSX, UNIX (several variants), Windows 2000/XP/Vista
- **Softwares and Applications:** Matlab, PSPICE, \LaTeX , SQL, MS Project, Visio, MySQL, Excel, Word

Education

- **George Mason University, Fairfax, VA**
 - MS in Electrical Engineering - 2011
 - MS Telecommunications - 2006
 - Graduate Certificate in Wireless Communications - 2006
- **Academic Projects:**
 - Part of a team that designed Mars-Earth Terahertz Optical Link, designed power generation at Mars, with Hydrogen-Helium battery as backup.
 - Team Lead to design a security system for US Borders using satellite link to communicate with UAVs and terrestrial motion sensors.
- **Ladoke Akintola University of Technology, Ogbomosho, Oyo Nigeria**
 - B.Tech in Urban and Regional Planning- 2001
- **Certification**
 - Oracle 9i Database Administrator Professional, Oct. 2003.

References

- Available on request.