

ADE ADEKOYA

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SUMMARY

Result-driven IT professional with extensive experience in the engineering, administration and support of information systems. In-depth expertise in the design, implementation, analysis, optimization, troubleshooting and documentation of IT infrastructure, LAN/WAN and wireless networks, **Linux and windows administration**, Cloud solutions development, IT infrastructure setup and management across distributed systems. Strong “hands on” technical knowledge of network, systems infrastructure architecture designs and implementation with the ability to adopt new IT technology and systems required.

SKILLS AND PROFICIENCY

- Expertise in routing and switching, network troubleshooting, hardware installation, infrastructure management, team management and training, project implementation, TCP/IP protocol, network system analysis, change management, IPv4/IPv6 addressing.
- Advance and improved skills in Linux and windows systems administration, virtualization technology (KVM, VMware, Hyper-V), network access control with Radius/TACACs, network infrastructure architect, Cisco and Aruba wireless access points, cisco ASA firewall (ASA and Firepower services), infrastructure monitoring solutions (Cacti, Nagios, Solarwinds orion, Observium, centrion, icingna, Zenoss, ManageEngine, PRTG, Logstash, Kibanna, splunk, Cloudwatch, NewRelic)
- Knowledge of designing, implementing distributed systems across private and public cloud infrastructure (AWS, Azure, Google cloud platform), web/app/proxy servers (Apache, Nginx, Tomcat, HA-proxy), setup and supporting application developing environments with microservices (Docker, Docker swarm, Jenkins, OpenShift, kubernetes), data storage and queuing service both on-cloud and on-premise, software development lifecycle (CI/CD process), IaC with infrastructure automation (Powershell, python, bash scripting when needed, Ansible, terraform) running with azure devops (TFS) , Jenkins, gitlab for software development lifecycle.
- Working knowledge of IT service delivery and management with incidence tracking using OTRS and JIRA, level 1 to 3 IT support, troubleshooting and ability to analyze logs and produce reports.
- Team player with a friendly and sensitive attitude, ability to work collaborative across multiple teams, strong problem-solving skills, handling pressures and timelines, analytical, multitasking capabilities, good communication skills, time management, knowledge management, presentation and documentation skills and ability to learn and adopt new technologies with minimal time lines.

PROFESSIONAL EXPERIENCE

DevOps Engineer | Design Specialist II

Telus Communications, Edmonton Alberta

September 2019 - Present

Leveraged on the knowledge of cloud technologies and containerization to develop and implement technical interpretation of business requirements for projects.

Deployed upgrades and fixes to backend infrastructure, virtualization and container environment.

Design, develop, and implement software integrations and monitoring platforms with considerations for high-availability and disaster recovery.

Troubleshoot production issues and coordinate with the development team to streamline code deployment, leveraging on AGILE methodologies and scrum processes for effective reliability of systems.

Implemented automation tools and frameworks (CI/CD pipelines) with azure devops (TFS) and gitlab.

Collaborate with team members to improve the company's engineering tools, systems, procedures, and data security, leveraging automation as required.

Optimized the content delivery system architecture, implement splunk data monitoring and alerts.

Conducted systems tests for security, performance, and availability.

Develop and maintain design and troubleshooting documentation for origin servers and CDN

Collaborated with third-party teams to setup middleware platforms utilizing NoSQL databases (Cassandra) and queuing service (rabbitmq) with development focused microservices on Openshift and loadbalancing with F5.

Senior Systems Administrator

Calgary Parking Authority, Calgary Alberta

July 2018 – August 2019

- Redesigned and implemented new IT infrastructure design with high availability consideration for the whole enterprise using Cisco ASA 5525, enterprise L3 switches (Cisco 6880, 4850, 3850, 2960x series catalyst switches).
- Performed OS patch and upgrade on all active network and server devices.
- Defined and implemented new security policies for all IT infrastructure devices, integrating Ansible to facilitate infrastructure automation and deployment for on-premise and Azure integrations.
- Implemented VPN solution for remote and site to site connectivity for on-premise and Azure platform.
- Provided infrastructure architectural designs for local and cloud SAS integration for Azure and Office 365.
- Designed cloud object storage integration for on-premise solution to AWS S3 bucket endpoints.
- Redesigned, implemented and upgraded VMware vSphere high availability cluster, SAN and NAS and multi-site backhauling, improving the OSPF routing to ensure fast reroute and summarizations.
- Designed, installed and configured internal and customer facing servers, network devices and firewalls.
- Proactively managed and maintained server, network and firewall systems across the enterprise.
- Maintained inventory and asset configuration documentation integrating Cisco Meraki MDM for device management.
- Assisted with hardware, firewall, telecom and software vendor evaluation, recommendation and negotiations.
- Implemented user authentication with Radius, LDAP group access, Google OTP integration for local and remote user security access.

IT Special Projects Support

ECOPEST Inc, Edmonton Alberta

March 2018 – July 2018

- Project managing the integration of PESTPAC, an enterprise Cloud based End-to-End business management platform to improved business process, accounting and business analysis reports, workflow and employee productivity.
- Performed requirements gathering, integration risk assessments and RFC (request for change) procedures for integration of PESTPAC to reduce data inconsistency errors and business impacting outages.
- Created implementation procedures, new workflows, business process and **knowledge management** for the intended change implementation.
- Created training and staff management schedule for the integration of PESTPAC to close knowledge gap.
- Maintained an inventory of advertisements, website responsive designs, debug performance issues, review statistics and monitor analytics for the company website and affiliates.

Desktop Support (Contract)

Enbridge Inc, Edmonton Alberta

March 2018 – April 2018

- Worked under Eagles Professional services to assist during Enbridge moves and end user device relocation.
- Participated in the relocation and reconnection of migrated end-user devices such as desktop PCs, VOIP phones, docking stations and other accessories.
- Performed proper management to avoid interference with user movement and activities and prevent harm to users

IT Infrastructure Manager

Web4Africa LTD (VIDOLU PTY), Johannesburg, South Africa

September 2016 – December 2017

- Designed, setup, secured and implemented new network and IT projects, **virtual private server setup, remote access and security solutions**, data center interconnect **routing** and integrations across four **data centers**.
- Improved data traffic by implementing **IPv4/IPv6 routes and QOS** across all data centers.

- Effectively reduced infrastructure downtime and customer support related issues to 5% by managing existing networks and IT infrastructure, performing security optimizations on web and email services, QOS, network analysis, resolution of complex systems problem and ensuring overall daily IT activities are optimal.
- Implemented **Microsoft windows active directory solutions for managing user credentials, remote access authentication, Web Server, DHCP and DNS deployment and enterprise server manager.**
- Contributed to about 5% return on investment (ROI) by providing cost effective network management solutions, proactive **IT service management** and constant research and development of new IT management products.
- Implemented infrastructure security solutions as IPsec/SSL, L2TP VPN, WAF, IDS/IPS, ModSec scripts reducing risk to critical business products and web servers (**Apache**) with improved data security policies for clients and services.
- Provided technical POC on XAAS services providing benchmark tests on OpenStack, Cloud Stack, Ubuntu Conjure-up private and public cloud-based systems.
- Implemented Linux (KVM, LXC, Open-VZ), **windows virtualizations (Hyper-V)** and NAS solution with NFS, ZFS, CEPH for internal and enterprise clients, providing support for hosted web services, applications based on PHP, Python, Perl, ruby and databases including MSSQL, MYSQL and postgresql.
- Deployed 3CX VoIP and SIP trunk phone system for the contact center, desktop and soft phone configuration.
- Successfully designed the integration process, deployed and migrated to HOSTBILL, a billing and automation application for webhosting.

IT Infrastructure Specialist

KONGA Online Shopping Limited

Lagos, Nigeria and Cape Town, South Africa

January 2015 – August 2016

- Conducted the design, installation, virtualization and management of IT and network Infrastructure using VMWare EXSi 6, vSphere, Cisco prime infrastructure, OS deployment (**Windows Server**, Debian and RHEL based OS), open source tools for the head, branch offices and Warehouse for over 200 network, power and server devices.
- Integrated and developed open source tools for network and infrastructure management, improved incident and problem management, for service desk team delivering an overall reduction in departmental budgets on infrastructure monitoring tool solutions by 30%.
- Designed and implemented change management procedures, service catalog update and knowledge management for enterprise wide infrastructure using **Atlassian Jira service desk platform** as a service management system.
- Designed, budgeted and implemented the network, server and contact center infrastructure for the company's new warehouse build using Cisco firewalls, Avaya Contact center solution, data center switches, ISR devices and 802.11 access points and HP ProLiant servers.
- Provided support for daily IT enterprise activities including, video conferencing, Google G Suite, end user device management for Windows, MAC and Linux systems (installation, imaging and recovery) central printer setups and LAN/internet connectivity issues.
- Implemented site to site, site to cloud VPN with Cisco ASA 5500-X series with CX and network security solutions for local and **AWS cloud infrastructure setting up VPCs, Nat instances, security groups, NACLs, VPN gateways and cloud watch monitoring**, improving data traffic, security of local infrastructure, integrated and managed **Microsoft AD services** and **Office 365 services** for over **600 users**.
- Designed and implemented **cisco AnyConnect remote VPN connections**, wireless LDAP authentication for over 600 users using Cisco wireless controller and **windows server 2012 R2** radius authentication with AD users.
- Provided integration support for DevOps and developers following **software development life cycle (SDLC)** and **AGILE/iterative methodologies** with required security and government compliance.

Network Infrastructure Engineer

Swift Networks Limited, Lagos Nigeria

March 2012 – December 2014

- Worked within major subunits of the engineering department as a NOC engineer, network / project engineer and lead engineer for field service support based on proficiency and team work skills.
- Completed network integration projects, change management, incident, problem management and Internet access provision to enterprise clients meeting both timeline and budget targets.

- Performing the technical lead focusing on liaising between the company and vendors.
- Accomplished the configuration deployment in the enterprise wide LTE, routing, MPLS, BGP, MP-BGP and VPLS deployment.
- Contributed to the constant uptime of over 200 company cell sites and provided quick resolution to service downtime improving the company's 99.9% uptime record using OTRS (Open Source Ticket Request System) to assign, communicate and escalate incidents, problems and resolutions at prompt and required times.
- Actively involved in Data Center expansion project including the planning, design, and implementation, working with HUAWEI ATN, CX600 series devices, Cisco ASR 1000 series router, Cisco ASA firewall and nexus switches and HP rack servers, deploying and upgrading server operating systems from windows server 2008 R2 to 2012 R2, Linux OS (RHEL and Debian based) and virtualization with VMWARE 5.5
- Designed and implemented companywide wireless LAN, SSID setup, COA, LDAP authentication for over 600 users using Cisco wireless controller, CISCO ISE and windows server 2012 R2 radius authentication with AD users.

Technical Sales Engineer/Business Analyst

Swift Networks Limited, Lagos Nigeria

May 2011 – February 2012

- Provided backend technical support for field sales personnel, running technical, sales and competitive product analysis which improved revenue assessments carried out by management.
- Conducted analysis for SLA development for products and services which helped in creating new products and improved old existing products for improved customer service experience.
- Ensured increased ROI by providing marketing trends, customer usage trends and competitive analysis.

Network Administrator

CAPROK Innovations Limited, Lagos Nigeria

October 2010 – January 2011

Interweb SATCOM Limited, Lagos Nigeria

May 2009 – October 2009

- Ensured optimal operations of the office IT infrastructure, setup of network equipment and desktop servers.
- Implemented Windows Server infrastructure and Active directory services for the enterprise
- Assisted in providing resolution to equipment failure, repairs and maintenance of all network and desktop devices.
- Installed hardware and software and provided suggestions for improving the infrastructure performance.

EDUCATION AND TRAINING

Google Cloud Solutions Architect, 2020

Azure Administrator Associate, 2020.

Azure Solutions Architect Expert, 2019.

Architecting with Google Compute Engine Specialization, Coursera 2019.

VMware Certified Professional - Data Center Virtualization, 2019.

VMware Certified Professional - Network Virtualization, 2019.

CompTIA Linux+, 2019.

Cisco Certified Design Associate [CCDP], 2019.

Cisco Certified Design Associate [CCDA], 2019.

AWS Certified Solutions Architect – Associate, 2019.

AWS Certified Developer – Associate, 2019.

VMware vSphere 6.5 - Foundation, 2019.

Cisco Certified Network Administrator Security, 2018

Information Technology Infrastructure Library [ITILv3] Foundation Certificate, 2014.

Cisco Certified Network Professional [CCNP] Certificate, 2013.

LTE eRAN3.0 Operations and Maintenance Training, 2013.

Mobile Backhaul Operation and Maintenance Training, 2013.

Cisco Certified Associate [CCNA], 2011.

Bachelor of Electrical and Electronics Engineering, Federal University of Technology, Akure Nigeria 2005 – 2010.