

JAMAICA RAPHAEL AJEMINA

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IT INFRASTRUCTURE & NETWORK ENGINEER | BACKEND DEVELOPER

IT Infrastructure and Support Specialist with hands-on experience in enterprise networking, virtualization, and backend development. Combine deep infrastructure knowledge with software development skills in PHP and Laravel to build automated solutions, monitoring tools, and custom applications that enhance operational efficiency. Skilled in designing enterprise-grade networks, implementing robust security measures, and developing scalable backend applications. Proficient in database design, cloud technologies (Azure), Docker, and infrastructure automation. Currently advancing AZ-104 (Microsoft Azure Administrator) and CCNA certifications.

TECHNICAL SKILLS

- **Backend Development:** - PHP, Laravel, MySQL, PostgreSQL, REST APIs, Git, Composer, MVC Architecture, OOP, Redis, Docker
- **Networking:** - TCP/IP, Subnetting, VLANs, Routing & Switching, DHCP, DNS, NAT, Firewalls, VPN
- **Infrastructure:** - Cisco Routers & Switches, Ubiquiti UniFi, pfSense, Network Security, Wireless Networking (Wi-Fi), Access Points, Network Cabling, Structured Cabling
- **Systems Administration:** - Windows Server, Windows & Mac OS, Linux (Ubuntu, Kali, Fedora), Active Directory, Remote Assistance, PowerShell, Bash Scripting
- **Cybersecurity:** - Network Hardening, Basic Threat Analysis, Risk Management, Firewalls (pfSense, Ubiquiti), IDS/IPS, System Hardening, Access Control
- **Cloud & Virtualization:** - Proxmox, VMware ESXi, VirtualBox, UTM, Microsoft Azure, Docker Project
- **Management & Tools:** - IT Strategy Planning, Process Optimization, Vendor Coordination, Technical Documentation, Version Control (Git), Agile Methodologies

PROFESSIONAL COMPETENCE

- **Problem Solving-** Analytical debugging and root cause analysis
- **Team Collaboration-** Cross-functional teamwork and Agile methodologies
- **Technical Communication-** Translating complex technical concepts for stakeholders
- **Time Management-** Priority-driven project delivery and deadline management
- **Continuous Learning-** Rapid adaptation to emerging technologies and frameworks
- **Attention to Detail-** Precision in code quality and infrastructure implementation
- **Process Improvement-** Automation and workflow optimization
- **Leadership-** Technical mentorship and knowledge sharing

WORK EXPERIENCE

IT Infrastructure & Security Specialist

Sidrena Investment Nigeria Limited – Port Harcourt, Nigeria
(Promoted from IT Support Officer)

May 2023 – Present

- Architected and deployed a full-stack Property Management System using Laravel, PHP, MySQL, and Bootstrap, serving 100+ rooms with automated booking workflows, real-time inventory management, dynamic pricing engine, integrated billing, and comprehensive analytics dashboards
- Designed and implemented enterprise-grade network infrastructure across multiple office environments with VLAN segmentation, SSID isolation, and access controls using Ubiquiti and pfSense firewalls, improving network security posture by 60%
- Developed RESTful APIs and internal automation tools using PHP and Laravel, reducing manual administrative tasks by 35%
- Managed multi-tenant virtualized environments using VMware and Proxmox, hosting 20+ VMs with 99% uptime
- Implemented comprehensive cybersecurity measures including IDS/IPS, system hardening, and access controls achieving ISO 27001 compliance readiness

IT Support Officer

October 2021 – May 2023

*Sidrena Investment Nigeria Limited – Port Harcourt, Nigeria
(Promoted from IT Support Officer)*

- **Built database-driven inventory management systems** for hardware tracking and lifecycle management with automated reporting capabilities using PHP and MySQL.
- **Created API integrations** for surveillance systems and developed web-based management interfaces for camera configuration and monitoring.
- Delivered daily end-user support for over 20 staff across multiple departments, resolving hardware, software, printing, and network issues across Windows, macOS, and Linux platforms.
- Installed and configured routers, switches, and access points to support business operations; handled cabling and basic IP planning.
- Performed user onboarding/offboarding, device setup, OS installations, software updates, and user account management across multiple platforms.
- Provided support for local email clients, file sharing setups, printer servers, and productivity software such as Microsoft Office and LibreOffice.
- Assisted in deploying a multi-room Wi-Fi solution with VLAN tagging, SSID segmentation, and firewall rules to enforce access restrictions.
- Supported surveillance camera installations and ensured secure network integration for monitoring systems.
- Logged support tickets, maintained ITxS documentation, and improved troubleshooting efficiency by documenting recurring issues and solutions.

Junior Web Developer/Technical Support

April 2019 – October 2019

Naija Domains (SIWES) – Port Harcourt, Nigeria

- **Developed responsive web applications** using PHP, HTML5, CSS3, and JavaScript for diverse client requirements with focus on user experience and performance.
- **Built database-driven websites** with user authentication, content management systems, and secure data handling using MySQL databases.
- **Created automated billing systems** and client management portals with secure payment processing and user account management.
- **Modified and optimized existing PHP applications**, improving performance and adding new functionality based on client requirements.

- Assisted with network setup, cable tracing, and desktop troubleshooting for internal users.
- Gained exposure to DNS records management and basic PHP scripting for web integration.
- Supported development of responsive web pages based on client specs and security best practices.
- Conducted basic server maintenance and system checks to ensure uptime of hosted websites.
- Assisted in network setup and troubleshooting, ensuring smooth connectivity for web applications
- Discussed site and app requirements with clients to produce actionable development plans and budgets.
- Assisted web presence planning, implementing changes and integrating requested elements to streamline business operations.

CERTIFICATION

Bachelor of Science in Computer Science, Sep 2016 – Apr 2021
Rivers State University, Port Harcourt, Nigeria

Diploma in IT Systems Support, Sep 2015 – Jul 2016
Bonny Vocational Center (City And Guilds), Bonny Island, Nigeria

National Youth Service Corps, - Completed Nov 2022 – Nov 2023

Cisco Certified Network Associate (CCNA) (*Self-study In Progress*)

Microsoft Azure Administrator Associate (AZ-104) (*Self-study In Progress*)

PROJECTS & LAB WORK

Service Apartment PMS (Internal Enterprise System) | Laravel, PHP, MySQL, JavaScript

- Full-stack application with real-time room availability, automated check-in/check-out workflows, dynamic pricing, integrated billing with role-based access control
- Multi-location property management platform for reservations, payments, and KYC verification.
- Integrated multi-role dashboards, dynamic discount logic, and automated tax computation.
- Responsive React frontend built with TypeScript for predictable component behavior and scalability.
- Actively deployed within Sidrena Investments' operations.

Hardware Inventory Management System | PHP, MySQL, Bootstrap, Docker ([GitHub Link](#))

- Modern inventory tracking system with barcode scanning, automated depreciation calculations, and comprehensive reporting

Network Automation Toolkit | Python, Docker, Linux ([GitHub Link](#))

- Open-source collection of Python scripts for network device configuration, automated backups, and compliance checking

Proxmox Home Lab Setup (Ongoing) – Self-study for CCNA

- **Hosted web-based services** including Pi-hole (DNS filtering), Nextcloud (self-hosted cloud storage), OpenVPN (secure remote access to internal services and lab VMs), Portainer (GUI based container management platform to deploy and monitor Docker containers) and Jellyfin (Media server for organizing and streaming video content over LAN/WAN).
- **Created automated deployment scripts** for rapid VM provisioning and application deployment using shell scripting and Python.
- **Developed and deployed containerized applications** using Docker for various services including web applications and databases.

- Practiced system hardening, resource allocation, and high-availability configuration using LXC containers and VM clustering.
- Created and managed Linux (Ubuntu Server, Kali, Fedora) and Windows Server VMs to test security tools, system administration, and networking scenarios.
- Configured VLAN-tagged virtual bridges, secure SSH access, and backup snapshots for each VM.

Enterprise Network Simulation

- Configured **Cisco Packet Tracer** simulations for **subnetting, VLANs, and routing protocols**.
- Designed and configured a multi-location **enterprise network** using Cisco Packet Tracer.
- Implemented **VLAN segmentation, inter-VLAN routing, and ACLs** for improved security.
- Configured **OSPF and EIGRP** for dynamic routing between multiple networks.

Hotel WIFI and LAN Infrastructure setup

- **Built comprehensive hotel management system** with guest portal, POS integration, and administrative dashboard using PHP and MySQL.
- **Implemented web-based captive portal** for guest login and usage tracking with automated billing functionality.
- Designed and Deployed a secure, segmented and scalable network for a 15-room hotel.
- Installed routers, access points, and network switches.
- Created separate VLANs for guests, staff and management
- Configures WiFi SSIDs with bandwidth limits and security encryption (WPA3)
- Set up firewall rules to isolate guest network from internal systems.
- Implemented a captive portal for guest login and usage tracking
- Performed signal strength surveys and optimized AP placements
- Set up static IP addressing for essential devices (servers, POS, printers).
- Installed IP cameras and configured NVR with remote access.
- Integrated camera feeds with hotel network without compromising bandwidth.
- Ensured backup storage for recorded footage.