CURICULUM VITAE

Name: Philemon Victor Odera

Phone: 0741103341

E-mail: victorphilemon001@gmail.com

LinkedIn: Philemon LinkedIn Profile

GitHub: PhilTech-Hub

Portfolio: Philemon Portfolio

Professional Summary

Versatile software developer with a robust background in delivering innovative solutions and expertise in computer networking. Recently graduated with a Bachelor's in Business Information Technology from Multimedia University of Kenya. Skilled in full-stack development, cloud computing (AWS, Azure), CI/CD pipelines, RESTful API design, and proficient in network configuration, troubleshooting, security protocols and server virtualization. Known for proactive problem-solving and a passion for leveraging technology to drive business outcomes. Demonstrated ability as a quick learner, adept at rapidly acquiring new skills and adapting to evolving technologies. Seeking a software engineering position to apply technical skills and contribute to dynamic projects.

Key Competency:

- Experienced in developing scalable web applications using modern technologies such as React/Redux, Node.js, and MongoDB, ensuring optimal performance and user satisfaction.
- Proficient in managing network infrastructures, including configuring routers, switches, and firewalls, and implementing security protocols like SSL/TLS and VPNs.
- Skilled in implementing CI/CD pipelines for automated software delivery, using tools like Jenkins and GitLab CI to streamline development processes and ensure continuous integration and deployment.
- Capable of designing and developing RESTful APIs to facilitate efficient communication between frontend and backend systems, enhancing application functionality and user experience.

- Knowledgeable in cloud computing platforms such as AWS and Azure, adept at deploying and scaling applications to meet dynamic business needs.

EXPERIENCE

Network Administrator & Software Engineer| Vix Technologies
Nov 2023 – May 2024

Duties:

- Managed and maintained network infrastructure, including routers, switches, and firewalls, ensuring optimal performance and security.

- Designed and implemented scalable network solutions, reducing downtime by 20% through proactive monitoring and troubleshooting.

- Configured and optimized VPNs, VLANs, and wireless networks to meet client requirements and industry standards.

- Conducted network audits and vulnerability assessments using tools such as Nessus and implemented corrective actions to mitigate risks.

- Collaborated with cross-functional teams to plan and execute network upgrades and migrations, ensuring minimal disruption to operations.

- Provided technical support and training to junior network engineers, enhancing team capabilities and knowledge transfer.

Achievements:

- Led the successful migration of network services to a hybrid cloud environment, improving scalability and reducing operational costs by 15%.

- Implemented network automation using Ansible, reducing manual configuration time by 30% and improving network consistency.

- Designed and deployed a robust disaster recovery plan, ensuring business continuity during critical network failures.

- Received commendation for exceptional performance and problem-solving skills during a major network security incident, preventing potential data breaches.

Software Developer Intern | Njuranetco Communications
Jan 2023 – Aug 2023

Duties:

- Developed a scalable web application using AWS S3, MongoDB, React/Redux, NodeJS, and Azure Blob Storage, integrating robust network configurations for optimal performance.
- Implemented RESTful APIs to enable real-time data exchange and communication between frontend and backend systems, ensuring seamless user experiences.
- Utilized computer networking skills to configure and manage AWS and Azure cloud services, including virtual networks, VPNs, and security groups.
- Collaborated with a multidisciplinary team to design and deploy network infrastructure components, such as routers, switches, and firewalls, supporting high-availability web services.
- Conducted network diagnostics and performance optimizations using tools like Wireshark and Tcpdump, resolving connectivity issues and improving overall system efficiency.
- Documented network architecture, configurations, and troubleshooting procedures, providing comprehensive technical documentation for future reference and training.

Achievements:

- Optimized the performance of a high-traffic E-commerce platform, reducing latency by 30% through network tuning and load balancing techniques.
- Implemented network automation scripts using Python and Ansible, automating routine tasks and enhancing network configuration consistency.
- Received accolades for contributing to the successful deployment of network security protocols, including SSL/TLS encryption and firewall policies, ensuring data integrity and confidentiality.
- Demonstrated strong problem-solving skills and proactive network management abilities, contributing to the achievement of project milestones and client satisfaction.

SKILLS

Computer Networking Skills

Network Design and Architecture

- **Scalable Network Design**: Expert in designing scalable and efficient network infrastructures.
- **Topology Layouts**: Proficient in creating comprehensive network topology diagrams.

Network Configuration and Management

- **Router and Switch Configuration**: Experience with configuring routers and switches (Cisco, Juniper).
- **Firewall Management**: Skilled in managing firewall policies and configurations (Palo Alto, Fortinet).
- **Network Management Tools**: Proficient with SolarWinds, Nagios, and PRTG.

Network Security

- **Security Protocols**: Knowledgeable in SSL/TLS, IPSec, and 802.1X.
- **Vulnerability Assessment**: Skilled in conducting assessments using Nessus and OpenVAS.
- **Intrusion Detection and Prevention**: Experience with IDS/IPS systems (Snort, Suricata).

Troubleshooting and Support

- **Diagnostic Tools**: Proficient with Wireshark, Tcpdump, and traceroute.
- **Issue Resolution**: Strong problem-solving skills for efficient network issue resolution.

Wireless Networking

- **Wireless Standards**: Understanding of 802.11a/b/g/n/ac/ax.
- **Access Points and Controllers**: Experience with Cisco Meraki and Ubiquiti.

Protocols and Services

- **TCP/IP and Subnetting**: Proficient in IP addressing and subnetting.
- **DNS and DHCP**: Skilled in configuring DNS and DHCP servers.
- **VPN and Remote Access**: Experience with SSL VPN and IPsec VPN.

Virtualization and Cloud Networking

- **SDN and VNFs**: Familiar with SDN concepts and virtualized network functions.
- **Cloud Networking**: Experience with AWS, Azure, and Google Cloud networking services.

Network Automation

- **Automation Tools**: Proficient with Ansible, Puppet, and Chef.
- **Scripting Languages**: Skilled in Python and Bash for network automation.

Cyber Security Skills

Security Protocols and Standards

- **Encryption Protocols**: Knowledgeable in encryption protocols like AES, RSA, and SSL/TLS.
- **Compliance Standards**: Familiar with GDPR, HIPAA, and ISO 27001 standards.

Threat Detection and Response

- **Intrusion Detection Systems (IDS)**: Experience with IDS tools like Snort and Suricata.
- **Incident Response**: Skilled in incident response procedures and forensic analysis.

Risk Assessment and Management

- **Risk Assessment**: Proficient in conducting risk assessments and vulnerability scans.
- **Security Audits**: Experience in performing security audits and compliance checks.

Network Security Tools

- **Firewalls and UTM**: Proficient in configuring and managing firewalls and unified threat management systems.
- **SIEM Solutions**: Skilled in using SIEM tools like Splunk and QRadar for threat monitoring.

Endpoint Security

- **Antivirus and EDR**: Knowledgeable in deploying and managing antivirus and endpoint detection and response solutions.
- **Patch Management**: Experience in implementing and maintaining patch management processes.

Access Control

- **Identity and Access Management (IAM)**: Skilled in IAM solutions and multi-factor authentication (MFA).
- **Role-Based Access Control (RBAC)**: Proficient in implementing RBAC policies.

Security Policies and Training

- **Policy Development**: Experienced in developing and enforcing security policies and procedures.
- **Security Training**: Conducted security awareness training for employees.

Full Stack Development

- Proficient in developing both client-side and server-side applications, ensuring seamless integration and performance.

Cloud Computing (AWS and Azure)

- Experienced in deploying, managing, and scaling applications using AWS and Azure cloud services.

CI/CD

- Skilled in implementing Continuous Integration and Continuous Deployment pipelines to automate the software delivery process.

RESTful API Design and Development

- Expertise in designing and developing RESTful APIs to facilitate communication between frontend and backend systems.

Database Design, Modeling, and Development

- Proficient in designing and modeling databases to optimize performance and ensure data integrity.

Programming Languages

HTML5, CSS3, Bootstrap5

- Strong foundation in creating responsive and visually appealing web interfaces.

React JS, React Native

- Experienced in building dynamic web and mobile applications using React JS and React Native.

Express JS, Node JS

- Proficient in developing backend services and APIs using Express JS and Node JS.

JavaScript, Python, C++, SQL, PHP

- Versatile in multiple programming languages for diverse application development needs.

Tools and Technologies

Git, Agile & Scrum Methodologies

- Proficient in version control using Git and experienced in Agile and Scrum methodologies for project management.

Test Driven Development

- Skilled in writing tests before code implementation to ensure robust and bug-free applications.

MuleSoft Integration, NoSQL Technologies

- Experienced in integrating applications using MuleSoft and working with NoSQL databases like MongoDB.

Database Management Tools and Interfaces

phpMyAdmin

- Proficient in using phpMyAdmin for web-based management of MySQL databases.

MongoDB Campus

- Skilled in using MongoDB Campus for graphical management of MongoDB databases.

SQL Server Management Studio (SSMS)

- Experienced in managing Microsoft SQL Server databases using SQL Server Management Studio.

Personal Skills

Attention to Detail

- Meticulous in ensuring accuracy and thoroughness in all aspects of work.

Strategic Planning and Excellent Organizational Skills

- Strong ability to plan strategically and organize tasks effectively to achieve goals.

Leadership and Teamwork

- Proven leadership abilities and excellent teamwork skills to collaborate and lead projects successfully.

Problem Solving and Time Management

- Strong problem-solving capabilities and efficient time management skills to handle complex tasks and meet deadlines.

EDUCATION

Multimedia University of Kenya | Nairobi, Kenya *Bachelor of Business and Information Technology 2019 – 2023*

Key Modules:

- **Problem Solving with Algorithms:** Developed proficiency in algorithmic thinking and problem-solving techniques to address complex software and business challenges.
- **Reporting and Analysis:** Acquired skills in data analysis and reporting using tools and techniques relevant to business intelligence and decision-making processes.

- **API and REST API Design:** Extensive coursework in designing and developing Application Programming Interfaces (APIs), with a focus on RESTful architecture for efficient data exchange between systems.
- **Database Systems Development:** Hands-on experience in designing, implementing, and managing relational and NoSQL database systems to ensure data integrity and efficient retrieval.
- **Web Development:** Comprehensive training in frontend and backend web development technologies, including HTML5, CSS3, JavaScript, and frameworks like React.js and Node.js.
- **Software Development:** Proficiency in the software development lifecycle (SDLC), including requirements gathering, design, implementation, testing, deployment, and maintenance of software applications.
- **Managing People and Teams:** Developed leadership and management skills essential for effective team collaboration and project execution in diverse organizational settings.
- **Public Relations:** Studied principles and practices of public relations, focusing on effective communication strategies and stakeholder engagement in the business context.
- **Electronic Commerce:** Explored concepts and applications of e-commerce, including online transactions, digital marketing, and e-commerce platforms' design and management.
- **Computer Networking:** Comprehensive understanding of computer networking principles, protocols, and technologies, including network design, configuration, troubleshooting, and security.

CERTIFICATIONS:

- **[Certificates](#)**

ACHIEVEMENTS

- Captain of Clubs and Societies at Tumaini House School (2017-2018)

- Chairman of Wildlife Club at Tumaini House School

- Winner of Nakuru West Sub-County Science Congress competition

PERSONAL QUALITIES

- Flexible approach and a Can-Do attitude

- Highly motivated, quick learner and organized person

- Ability to explain technical data to non-technical colleagues

- Able to ensure projects run to schedule and budget

- Experience in training and mentoring junior staff

LANGUAGES

- Fluent in English and Kiswahili

HOBBIES AND INTERESTS

- Reading, Listening to Music, Hiking, Doing Research

REFEREES

Dr. Eric Kokonya

Lecturer, Multimedia University of Kenya,

Phone: 0724758318

Email: ekokonya@yahoo.co.uk

Mr. Polo Felix

Head of Operations

Vix Technologies

Email: pminani48@gmail.com

Phone: 0758865299

Mr. John Oyando

Head of IT Operations

Pan Pacific International Hotel

Email: john.oyando@panpacific.com

Phone: 0726211926