CURRICULUM VITAE

Muthuri Ian

Nairobi, Kenya
Email: ianmuthuri@outlook.com
Tel: +254701291383

Portfolio: portfolio
GitHub: github
Stack Overflow: stackoverflow
Medium: medium
LinkedIn: linkendin

PROFILE SUMMARY

With a strong foundation in IT audits, network security, and application development. My objective is to leverage this holistic skill set to provide comprehensive security solutions, enhance organizational defense postures, and contribute to the strategic growth of a forward-thinking organization.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Erevu Solutions | June 2024 – Present

Focus: Strategic Product Definition, Full-Stack Development Leadership, and Cross-Platform System Integration

- Elicited, analyzed, and documented core business requirements and user stories to define the product roadmap and technical scope for all application development (Android, iOS, Web, and Mac).
- Translated high-level user needs into actionable technical requirements and defined solution designs, including data flows and API specifications, ensuring alignment with business objectives.
- Led the development and integration of third-party payment APIs (e.g., M-Pesa, Pesapal,Paystack and Flutterwave) across all platforms, ensuring secure and seamless transaction processing.
- Managed the full SDLC by leading sprint planning, backlog refinement, and providing technical oversight for architecture and code quality.
- Defined acceptance criteria and facilitated User Acceptance Testing (UAT) to confirm delivered solutions met all documented business and functional requirements.

Cybersecurity Specialist | Forvis Mazars | January 2024 – June 2025(1 year, 7 months)

- Spearheaded the development and implementation of cybersecurity policies and procedures for Forvis Mazars and its clients, ensuring full regulatory compliance.
- Managed Microsoft 365 environments for Mazars Kenya and Rwanda using CoreView, monitoring threats and overseeing SharePoint, Teams, mailboxes, and Active Directory.
- **Led the Cybersecurity Department**, driving business development efforts to attract clients for VAPT, System Audits, Compliance Audits, and cybersecurity training.
- Conducted security assessments, audits, and risk evaluations, providing tailored solutions to mitigate risks and protect digital assets.
- Published a Monthly Threat Intelligence newsletter highlighting top cyberattacks, vulnerabilities, and intelligence reports.
- Authored **"The Need for Cybersecurity: A Priority for Business"** to educate businesses on the cybersecurity landscape in Kenya.
- Developed data protection strategies to ensure compliance with regulations and safeguard client information.

Assistant IT Administrator | Forvis Mazars | May 2022 - December 2023(1 year, 8 months)

- Performed advanced data analytics using CaseWare IDEA and data visualization tools like Power BI, delivering actionable insights to support strategic decision-making for Forvis Mazars clients.
- Developed and deployed internal software solutions, including ERP systems, ICT asset management systems, and internally hosted cloud, streamlining operations and boosting organizational efficiency.
- Automated CRM processes, including email collection, and enhanced operational workflows using Power Automate, significantly improving productivity.
- Implemented real-time backup solutions, transitioning from manual backup processes to automated, resilient systems.
- Ensured compliance with cybersecurity policies through regular audits, identifying vulnerabilities and improving system security.
- Conducted data analysis and cybersecurity training for various organizations, improving client compliance and understanding of cybersecurity best practices.

IT Support Intern | Forvis Mazars | October 2021 - April 2022(7 months)
- Analyzed data using tools such as CaseWare IDEA and Jupyter Notebooks with Python to provide valuable insights for financial audits, enhancing accuracy and decision-making.
- Deployed software solutions to automate processes and digitize manual tasks, significantly improving operational efficiency and reducing errors.
- Assisted in planning and executing cybersecurity initiatives, leveraging data analytics to enhance the organization's overall security posture and responding to emerging threats.

Software Developer | Nearfield Ltd, Kenya | July 2020 - October 2021

- Led the development of Android and web applications, ensuring high-quality, user-centric solutions that met and exceeded client expectations.
- Designed and implemented APIs using PHP and Python with JWT authentication, deploying them with Docker for scalable and efficient operations.
- Collaborated with clients and internal teams via GitHub, Slack, and JIRA to gather requirements, develop solutions, and manage project workflows. Documented project progress and technical details using Confluence, a tool for creating and sharing project documentation and knowledge.
- Conducted comprehensive testing of applications to identify and address vulnerabilities, enhancing overall security.
- Led the backend team in developing and integrating payment APIs, including M-Pesa and Pesapal, to support seamless transaction processing.

Network Technician Intern | Mawingu,Kenya | July 2019 - January 2020

- Configuration and planning network topology to optimize performance and enhance network reliability.
- Delivered exceptional customer support for network-related issues, ensuring minimal downtime and high levels of customer satisfaction.
- Monitored and maintained base stations to ensure network integrity and uptime, demonstrating proactive network management and troubleshooting skills.

EDUCATION

Master of Science in Applied Information Technology | Africa Nazarene University, Nairobi, Kenya | 2024- In Progress

- Relevant coursework: Data Analytics, Systems Security and Audit, Project Management

Bachelor of Business and Information Technology | Africa Nazarene University, Nairobi, Kenya

- Second Upper Division
- Relevant coursework: Software Development, IT Audit, Data Science, Networking

CERTIFICATION & LICENSES

- Certified Ethical Hacker
- Leading with Fearless Mindfulness
- Information Systems Auditing, Controls and Assurance
- Network Security & Database Vulnerabilities
- Cybersecurity Compliance Framework & System Administration
- Cybersecurity Roles, Processes & Operating System Security
- Project Management Principles and Practices
- Introduction to Containers w/ Docker, Kubernetes & OpenShift
- Smart Contracts
- Linux network Operations
- Data Science
- Parallel, Concurrent, and Distributed Programming in Java

PUBLICATIONS & RESEARCH

- **Social Engineering: Unravelling the Art of Human Manipulation** | July 4, 2023
- **The Need for Cybersecurity: A Priority for Business** | August 14, 2023
- **Robots Consciousness & Ethics** | May 2022

AWARDS

Africa Nazarene University
- Honors Roll
- Leadership Award

HOBBIES & INTEREST

- Traveling, hiking and outdoor activities.
- Chess.
- Programming, scripting and CTF.
- Writing and publishing research.
- Networking and speaking at tech conferences and mentoring.

SKILLS

Security & Auditing - Penetration Testing, Threat Hunting, Incident Response, Security Auditing, Forensic Analysis, VAPT, SIEM, WAF.

Platforms & Systems - Microsoft 365, Active Directory, SharePoint, Teams, CoreView, Docker, Linux.

Programming & Scripting - Python, Bash, Java, C#, PHP, Dart (Flutter), Solidity, Vue.

Data Analytics - CaseWare IDEA, Power BI, Jupyter Notebooks.

Soft Skills - Analytical Thinking, Team Collaboration, Problem-Solving, Leadership, Mentorship.

REFEREES

Kennedy Muchiri
Head of ICT - Mazars
Email: kennedy.muchiri@mazars.co.ke
Mobile: +254712 210675

Davis Ronoh
Senior Android Developer - Nearfield Ltd
Email: hdronoh@gmail.com
Tel: +254711949692

Dennis Muriithi
Network Technician - Mawingu
Email: dennis.muriithi@mawingunetworks.com
Mobile: +254768092435