

CURRICULUM VITAE

MESHACK BWIRE

P.O Box 268-50400, Kenya.

Cellphone: +254794142204

Email: bmwandera14@gmail.com

b.meshack@outlook.com

Professional Experience

May 2023 – Current: Software Engineer (Point of Sale systems) at Tracom Services Limited

Responsibilities:

- Android development.
- Development in C#, JavaScript, and .NET for desk POS systems (Cash Register Integrator and PIN Pad).
- Integration of client Web APIs and Entity Framework.
- PCI compliance.
- Data engineering (Gateway and cloud management)
- Deploying, managing, and orchestrating containerized applications using Kubernetes.
- Leveraged SQL and Python to conduct in-depth data analysis on transactional data, for cashless fuel transactions and terminal management systems.
- Applied strong knowledge of data modeling, access, and storage techniques to design and optimize databases for storing transactional data securely and efficiently.
- Employed Pyramid to create insightful dashboards and reports.
- Creating, managing, and optimizing Docker containers to envelope apps and their dependencies.
- Code review.
- Creation of pipelines on Bitbucket (Git).
- Aiding fellow developers, leading to efficient problem-solving and knowledge sharing.
- Working within Scrum, including participating in daily stand-ups and sprint reviews.
- Conducting Research and creating prototypes on technologies we look forward to include in our stack.

Achievements:

- 1) Developed the current SDK being used in Awash Bank on all Ingenico Axiom DX POS devices.
- 2) Developed an Android Archive (AAR) file and improved the SDK currently being used by the Cooperative and Rural Development Bank (CRDB) of Tanzania on Nexgo POS devices.
- 3) Developed and implemented Terminal Management System (TMS) functionalities across POS devices, for CBE (Commercial Bank of Ethiopia), and Quantum (Ethiopia) significantly enhancing remote management capabilities and efficiency.
- 4) Developed a seamless application for cashless fuel transactions powered by Quantum Technology PLC (Ethiopia), earning recognition for innovation and efficiency.

December 2021 – May 2022: Telecommunications Engineer at Guzzar Technologies

Responsibilities:

- Technical troubleshooting and issue resolution on physical network devices.
- Diagnostic Testing and Cable Inspection.
- Network Construction and Maintenance
- Splicing.

Achievements:

- 1) Executed network system power migration projects in Westlands, Nairobi, leading to enhanced system efficiency and stability.
- 2) Contributed to the construction and maintenance of HFC and GPON networks in Dagoretti, Kilimani, and Karen areas in Nairobi County, playing a key role in ensuring seamless connectivity for clients.

September 2021 – November 2021: Data Engineer at African Economic Research Consortium (AERC): Internship

Responsibilities:

- Digital Initiative Alignment across departments
- Document Scanning and Indexing
- Electronic Document and Record Management.
- Leveraged Microsoft Azure to ensure secure storage and seamless access to data.
- SQL server management
- Employed data visualization tools such as PowerBI to create interactive dashboards and reports.

Achievement:

Proficiently indexed and cataloged scanned documents in the Electronic Document and Record Management System (EDMS) software, enhancing future reference capabilities and streamlining document retrieval processes.

2020 – 2021 IT Support Technician at Rita Creations, Events and Luxury Rentals Company: (Casual)

Responsibilities:

- Technical assessments and issue resolution
- Event setups coordination and operations

Achievement:

Organized and efficiently coordinated event setups, ensuring smooth operations and customer satisfaction throughout the event duration. This experience reflects strong organizational and coordination skills.

Educational and Training

2018 – 2022: The Co-operative University of Kenya

Bachelor of Science in Computer Science

July 2021 – October 2021: National Research Fund: Kenya, Vetted by University of Nairobi, Kenyatta University and The Co-operative University of Kenya, ODEL Quality Assurance team members.

Data Science with Python

2019 June – December: Multimedia University of Kenya

Huawei Certified ICT Associate in Routing and Switching

2018 February – April: Busia Training Institute of Management and Technology

Computer packages

Skills

- ✓ C, Go, Java, HTML/CSS, Python, .NET, Spring Boot, SQL, Android, AAR, Angular, SSL/TLS, JPOS, GraphQL, Kubernetes, Git, CI/CD (Jenkins, Docker), Cloud Environments (AWS, GCP), Microsoft Azure, API integration, VISA certification, Mastercard certification, Data analysis, PowerBI, Pyramid, Agile Development, PCI, Scrum.

Certification and clearance forms

- i. Bachelor of Science in Computer Science Certificate
- ii. Professional certificate in Data Science with Python
- iii. Huawei Certified Network Associate – Routing and Switching
- iv. Certificate of computer packages
- v. Kenya Certificate of Secondary Education
- vi. Certificate of good conduct
- vii. Kenya Revenue Authority clearance certificate
- viii. National Identification

Referees

- Lenah David,
Lead Developer, Tracom Services Limited.
Lenah.david@tracom.co.ke
+254 708 672521
- Martin Onzere,
Director, Guzzar Technologies.
martin@g-tech.co.ke
+254721295910
- Hellen Muthoni,
Administrator, African Economic Research Consortium (AERC).

hellen.muthoni@aercafrica.org

+254722782196

- Catherine Bahati,

Assistant Manager, Rita Creations.

+2547184547418

- Dr. Charles Katila,

Dean, School of Computing and Mathematics, Cooperative University.

ckatila@cuk.ac.ke,

+254711911036