



NYAMBANE DICKSON TANGASO.

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PROFILE

A dynamic and driven computer science professional with a solid foundation in software development, data structures, and algorithms. I have a strong analytical mindset and a keen interest in emerging technologies. With a bachelor's degree in computer science and three years of industry experience, I excel at designing efficient solutions and creating innovative software applications. My skills also include expertise in cable management and IT support, ensuring optimal performance and organization of network systems. I am committed to continuous learning and staying up-to-date with the latest industry trends.

PROFESSIONAL EXPERIENCE

Kenya post Office savings Bank (Postbank)

June 2024 to date

Assistant System developer, ICT Department

Duties

❖ **Database Management and Development:**

- Design, develop, and manage relational databases using Oracle SQL Developer and MySQL.
- Write and optimize complex SQL queries to extract, manipulate, and analyse data.
- Ensure data integrity and security by implementing appropriate database constraints and access controls.

❖ **System Analysis and Design:**

- Analyse business requirements and translate them into technical specifications.
- Develop and maintain system documentation including data flow diagrams, entity-relationship diagrams, and technical design documents.

❖ **Software Development and Maintenance:**

- Assist in the development and maintenance of in-house banking applications and systems.
- Perform unit testing and debugging of software applications to ensure quality and performance.
- Participate in code reviews and provide constructive feedback to peers.

❖ **Data Migration and Integration:**

- Assist in data migration projects to move data between different databases and systems.
- Develop and implement data integration solutions to facilitate seamless data exchange between applications.

Kenya Revenue Authority (KRA)

May 2023 to May 2024

ICT Assistant

Duties

- Maintaining information systems by performing systems software installation and configuration.
- Systems monitoring, performance tuning, troubleshooting, and problem resolution.
- Installs, configures, and maintains the software.
- Strategic planning, design, and deployment of end-user computing tools and equipment.

Minet Insurance Brokers
January 2023 to May 2023
Software developer (Internship)

Duties

- Work with developers to design algorithms and flowcharts.
- Coding and debugging software applications.
- Collaborating with team members to develop new software.
- Testing software applications and patches.
- Experimenting with program design elements.
- Tech support.

OFFICE OF THE REGISTRAR OF POLITICAL PARTIES (ORPP)
April 2022 - October 2022.
Constituency monitor.

Duties

- ❖ To monitor the activities of political parties and their candidates at the constituency level.
- ❖ To follow candidates and political parties on the campaign trail and the Constituency level and report on their activities.
- ❖ To follow voter education activities in their Constituencies and report on gaps and challenges.
- ❖ To coordinate ORPP stakeholder engagements at the Constituency level.
- ❖ To coordinate and work closely with the various electoral and state agencies at the constituency level such as Returning Officers and Security agencies.
- ❖ To give weekly and monthly reports to the County monitor in charge of the county.

INDEPENDENT ELECTORAL AND BOUNDARIES COMMISSION (IEBC)
January 2022 - Feb 2022
ICT CLERK (Contract)

Duties

- ❖ To provide a high-quality first level of ICT support service to the Returning Officer at the Tallying Centre.
- ❖ Restore the normal service to the users as quickly as possible by fixing technical, fulfilling service requests or answering queries to allow the users to work effectively.
- ❖ Preparation, Configuration, and testing of KIEMS Kits in readiness for the Election.
- ❖ In liaison with the CICT, provide technical Support to the PO / DPO / Clerks during the By-Election.

ZALEGO INSTITUTE OF TECHNOLOGY
13th May 2019 - 31st August 2019
Web developer (Attachment)

Duties

- ❖ Writing code and solving clients' problems.
- ❖ Coding and debugging software applications.
- ❖ Collaborating with team members to develop new software.
- ❖ Testing software applications and patches.

EDUCATION

KISII UNIVERSITY	2021
Bachelors in computer 2 nd class Division	
KAHAWA TRAINING COLLEGE	2017
Certificate in computer packages	
NYERI HIGH SCHOOL	2015
Kenya Certificate of Secondary Education (KCSE) A-	
ST ANDREWS KAAGWA BOYS PRIMARY SCHOOL	2011
Kenya Certificate of Primary Education (KCPE) 418 Marks	

SKILLS

❖ **Software Development:**

- Proficient in PHP, CSS, HTML, JavaScript, and Laravel for web development.
- Experienced in designing, developing, and managing relational databases using Oracle SQL Developer and MySQL.
- Skilled in writing and optimizing complex SQL queries for data extraction, manipulation, and analysis.
- Competent in coding, debugging, and maintaining software applications.
- Experienced in system analysis, translating business requirements into technical specifications, and maintaining system documentation.

❖ **Database Management:**

- Extensive experience with Oracle SQL Developer and MySQL.
- Expertise in ensuring data integrity and security by implementing appropriate constraints and access controls.
- Capable of developing and implementing data integration solutions to facilitate seamless data exchange between applications.
- Skilled in data migration projects, moving data between different databases and systems.

❖ **IT Support and System Administration:**

- Strong understanding of computer systems, networks, software, and hardware.
- Proficient in troubleshooting and resolving technical issues under tight deadlines.
- Experienced in strategic planning, design, and deployment of end-user computing tools and equipment.
- Skilled in performing system monitoring, performance tuning, troubleshooting, and problem resolution.

❖ **Technical Proficiency:**

- Proficient in using development stacks like XAMPP (Linux, Apache, MySQL, PHP, JavaScript, HTML, CSS).
- Strong computer proficiency in MS Word, advanced Excel, and PowerPoint.
- Effective verbal and written communication skills.
- Ability to learn new languages and technologies quickly.

❖ **Cable Management:**

- Professional experience in cable management ensuring optimal performance and organization of network systems

RECENT PROJECTS

As an experienced IT professional, I take pride in my ability to develop and deliver high-quality solutions that meet and exceed client expectations. Over the course of my career, I have had the privilege of working on a wide range of exciting projects that have allowed me to hone my skills and expand my knowledge of the industry. Here are some of my recent projects:

- **eLearning System for Minet Insurance Brokers:**

- Developed an eLearning system with separate portals for admin, HR, and users. This system facilitates effective learning and management within the organization.
- **Link:** [eLearning System](#)

- **Biznasure Insurance Quote System:**

- Created a system that allows users to get insurance quotes efficiently. This project involved backend integration and front-end development to ensure a seamless user experience.
- **Link:** [Biznasure Insurance Quote System](#)

- **Minet Insurance Solutions MotherApp:**

- Developed the MotherApp, which consolidates all Minet Insurance solutions into a single platform. This app serves as a comprehensive solution for various insurance-related needs.
- **Link:** [Minet Insurance Solutions MotherApp](#)

These projects highlight my ability to manage complex software development tasks, integrate various systems, and deliver user-friendly applications that meet the needs of the clients.

REFERENCE

NICHOLAS MASWAI – POSTBANK HQ

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Postbank House, 15 Banda Street,

Nairobi, Kenya

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