

VICTOR MBUGUA

IT Professional with Expertise in System Analysis | Network Troubleshooting | Software Development

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CAREER PROFILE SUMMARY

I am a dedicated IT professional with a background in Computer Science and a hands-on experience in maintaining and updating real-time tracking data, troubleshooting system and network issues, and ensuring the confidentiality of sensitive information. I am adept at meeting strict deadlines for tracking clients and communication channels. Industrial attachment at Tinka Traders Digital Solutions Limited further enhanced skills in system analysis, design, development, testing, and debugging. Proven expertise in web hosting, REST-API development, database management, and front-end development using Angular. I am committed to delivering optimal IT solutions to drive organizational technical success.

EDUCATION BACKGROUND

- **Bachelor of Science in Information Technology** - Jomo Kenyatta University of Agriculture and Technology; 2019 to 2022
- **Kenya Certificate of Secondary Education** - Thika High School; 2011 to 2015

Training/Seminars/Workshops Attended

- KAPs Hackathon - Jomo Kenyatta University of Agriculture and Technology
- Eclectics Hackathon - Jomo Kenyatta University of Agriculture and Technology

SKILLS AND COMPETENCIES

System Analysis and Design: Demonstrated ability to analyze complex systems, design effective solutions, and contribute to the full software development life cycle.

- **RESTful API Design and Implementation:** Proficient in designing and implementing RESTful APIs to facilitate seamless communication between different software system components.
- **IT Desk Support:** Experienced in offering helpdesk support at various levels, proposal, and implementation of ICT use policies, security enforcement for data, systems, and protection from viruses and report writing.
- **Database Management:** Experienced in using the system software for creating and managing databases which provide users and programmers with a systematic way to create, retrieve, update, and manage data. Database Systems: SQLite, MySQL
- **Networking skills:** Fully proficient at LAN, WAN, and Wireless building, cable installation and testing.

- **Troubleshooting and Maintenance:** Ability to troubleshoot and fix problems in a speedy manner and by so doing can keep the system up-to-date all the time.
- **Full-Stack Web Development:** Proficient in building web applications with a strong command of Java SpringBoot for robust backend functionality and Angular for creating dynamic and user-friendly frontends.
- **Technical Expertise:** Experienced in Java, Python, Node.js, Devops, Android – MVVM, Java, Docker, Kubernetes etc.
- **Mobile App Development:** Experienced in Android app development using Java Android Studio SDK, specializing in creating efficient and streamlined applications.
- **Blockchain Technology:** Skilled in developing decentralized applications (dApps) on the Ethereum blockchain platform, utilizing smart contracts for secure and transparent processes.

WORK HISTORY

Attache

Tinka Traders Digital Solutions Limited; February 2022 to April 2022

Duties and Responsibilities

- System Development and Analysis
- Led system analysis and design initiatives, contributing to the full software development life cycle, including testing and debugging.
- Implemented REST-API development for a timetable app, enhancing application functionality and interactivity.

Web Development and Hosting

- Updated websites to ensure optimal functionality and a user-friendly online experience.
- Spearheaded web hosting activities, optimizing server performance to meet evolving digital landscape requirements.

Database Management and Frontend Development

- Handled database management, implementing best practices for data organization, retrieval, and security.
- Handled front-end development projects using Angular, creating visually appealing and intuitive user interfaces aligned with modern design standards.

IT Officer

Stantechmotors International Limited; November 2021 to January 2022

Duties and Responsibilities

Data Management

- Ensured the accuracy and currency of real-time tracking data for all customers, meticulously safeguarding confidential information.
- Generated monthly tracking reports, offering a comprehensive overview of client data and contributing to strategic decision-making processes.

Technical Troubleshooting and System Maintenance

- Diagnosed and resolved complex hardware and software faults, enhancing system and network stability.
- Monitored computer systems and networks, implementing preventive measures to proactively address potential issues.
- Enforced strict deadlines for client tracking and communication channels, fostering a high-performance culture within the IT department.

PROJECTS HANDLED

Spearheaded the creation of the following apps:

Timetable App: Web and mobile app for schedule management, using Java SpringBoot and Angular. Allows creation, modification, and deletion of events, with reminders and notifications.

Vehicle Valuation App: Android app for Regent Automobile Valuers, streamlining data collection and photo management, improving Turn Around Time for valuations.

Blockchain Anti-counterfeit System: Decentralized web app on Ethereum blockchain, tracking product supply chain, ensuring uniqueness with smart contracts.

Tourism Destination App: Mobile app providing Kenya tourist info, aiding trip planning, and destination discovery. Developed with Java Android Studio SDK.

REFEREES

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