

KIOGORA DICKSON MWONGERA

Location: Nairobi, Karen | **Phone Number:** +254 706823590 | **Email Address:** mwongeraligo@gmail.com | **Portfolio:** <https://mwongerakiogora.vercel.app/>

I am a Full-Stack Software Engineer & Systems Architect specialized in engineering high-reliability enterprise applications, automated workflow platforms, and high-performance digital experiences. Over my engineering career, I have designed and deployed multi-warehouse dispatch systems, automated inventory & purchase management platforms, and robust REST APIs that digitize complex operational workflows across diverse sectors.

My core philosophy combines rigorous software engineering—clean architecture, database normalization, relational integrity, and optimized query execution—with intuitive UI/UX design. I bridge complex backend logic with reactive, accessible frontend systems built on Next.js, React, Node.js, Express, Laravel, Supabase, and SQL/NoSQL databases.

Whether building fault-tolerant backend services or crafting custom design systems and interactive 3D web visualizations, I deliver maintainable, secure, and production-grade software that drives measurable business impact.

Core Skills

- **Web Development** (React JS, Tailwind CSS, JavaScript, Laravel PHP, Java, UX/UI Designer).
- **Backend Developer** (Node JS, Express JS)
- **Object Oriented Programming Languages** (VB.NET, PHP, Java, C++, Python).
- **Data Modelling and SQL** (Drizzle ORM)
- **Databases** (Firebase, MongoDB and MySQL).
- **Version Control Systems** (Git, GitHub).
- **Text Editors and IDE Extensions.**
- **Graphics Design** (Blender 3D, Three JS, Canvas, Adobe Illustrator and Photoshop).
- **Deployment and Management of CRM and CMS systems.**
- **Data Annotation (LIDAR)**
- **Data Entry** (Proficient in Excel and Access)
- **Word Processing**
- **Marketing and sales**

Work Experience

Technical Assistant and IT Support | Kenya Forest Service.

2025 September 16th – 2025 December 16th

RESPONSIBILITIES AND ACHIEVEMENTS

- Provided ICT support and system maintenance across departments, ensuring uninterrupted daily operations.
- Assisted in programming and basic software development tasks for internal systems.
- Performed network configuration, monitoring, and troubleshooting, including printers and shared devices.
- Installed, configured, and maintained computer hardware, operating systems, and application software.
- Offered end-user support, resolving system, software, and connectivity issues efficiently.
- Conducted system testing, upgrades, and routine maintenance to enhance reliability and performance.
- Supported data entry, data validation, and document formatting in line with organizational standards.
- Carried out hardware diagnostics, repairs, and preventive maintenance.
- Assisted in network security and configuration, including user access and system permissions.
- Successfully supported day-to-day ICT operations, improving system uptime and user efficiency.
- Demonstrated strong teamwork, reliability, and problem-solving skills, consistently meeting assigned deadlines.
- Contributed to smoother ICT service delivery through effective troubleshooting and user support.
- Recognized for dedication, professionalism, and a positive work ethic during the attachment period.
- Gained hands-on experience across ICT support, networking, and software-related tasks in a government institution.

AI LIDAR Annotation Specialist | Avala AI.

2024 March 7th – 2025 January 14th

RESPONSIBILITIES AND ACHIEVEMENTS

- Conducted precise annotation of LIDAR data, ensuring high-quality input for AI model training.
- Collaborated with cross-functional teams to refine annotation guidelines and improve data quality.
- Utilized advanced annotation tools and software to efficiently process large datasets.
- Maintained meticulous records of annotation progress and quality metrics, contributing to project transparency.
- Assisted in the development of best practices for LIDAR data annotation, enhancing team efficiency and output quality.
- Participated in regular training sessions to stay updated on the latest annotation techniques and tools.
- Contributed to the successful completion of multiple high-stakes projects, meeting tight deadlines and quality standards.
- Recognized for exceptional attention to detail and commitment to delivering high-quality annotated data.
- Developed and maintained a comprehensive understanding of LIDAR technology and its applications in AI.

- Fostered a collaborative team environment, sharing insights and techniques to enhance overall annotation quality.

Web Developer and Graphics Designing | Shanfix Hosting and Technology.

2022 Sept 7th – 2024 March 7th

RESPONSIBILITIES AND ACHIEVEMENTS

- Installed and configured computer hardware, software systems, network connections, printer usability, and scanners.
- Designed and developed responsive websites and web applications using WordPress and WordPress Plugins React JS, Tailwind CSS, and Laravel PHP, ensuring seamless user experiences across devices.
- Created visually compelling graphics, including flyers, banners, business cards, and letterheads using Adobe Illustrator, strengthening brand identity and marketing campaigns.
- Collaborated with cross-functional teams, including marketing and UX designers, to deliver cohesive digital solutions aligned with client needs and brand aesthetics.
- Managed and maintained CMS platforms, enabling efficient content updates and site management for clients.
- Implemented frontend and backend solutions, optimizing performance and ensuring security best practices.
- Utilized version control systems like Git and GitHub for collaborative development and code management.
- Conducted UI/UX testing and user feedback sessions to enhance website usability and accessibility.
- Deployed and maintained web hosting solutions, providing technical support and resolving hosting-related issues.
- Mentored junior designers and developers, fostering a collaborative and innovative team environment.
- Recognized for exceptional contributions to digital marketing and design initiatives, boosting client satisfaction and retention

IT Support and Junior Web Development | Kenya National Bureau of Statistics.

2022 Sept 7th – 2022 Dec 7th

RESPONSIBILITIES AND ACHIEVEMENTS

- Installed and configured computer hardware, software systems, network connections, printer usability, and scanners.
- Provided technical support across the company and replaced parts as required.
- Assembled workstations, configured user settings for staff, and ensured that all hardware and software functioned properly.
- set up new users' accounts and profiles and deal with password issues.
- Perform installations for software and utility tools for users.
- Created restore points, data backups, and system images for recovery.
- Consulted with IT managers and other departments as required to fix technical issues.
- Provided documentation of a software solution, that has been implemented into the company's intranet.

- Administered day-to-day network/computer solutions, application maintenance, upgrades, hardware diagnostics, and repairs.

Technical Assistant | Just Computer Planet.

2019 – 2021

Responsibilities and achievements

- Required to troubleshoot customer-reported network difficulties that involved determining the location of a problem and isolating it to hardware or software.
- Researched, developed, and migrated from a variety of computers to a standardized hardware configuration and software baseline for clients.
- Compile entire workstation configurations for clients and ensure that all accessibility hardware and software function properly.
- Managed technology selection process and recommended optimal solutions including architecture, software, and hardware.
- Prepared installation of new or modified hardware, operating system, and application software.
- Submitted hardware and software problem reports for corrective action by customers.
- Provided hardware and software information to customers.
- Diagnosed, troubleshoot, and recommended repair/replacement of hardware as necessary.
- Provided problem determination and resolution of hardware and software issues.
- Performed first-level repairs of computer hardware and peripheral equipment.
- Maintain inventory spreadsheet of hardware equipment.
- Determine proper installation for software and hardware.
- Managed delivery logistics relating to customer hardware.

Education

Bachelor of Science in Information Technology | Jomo Kenyatta University of Agriculture and Technology

2023 – Current

Diploma in Information Technology | Jomo Kenyatta University of Agriculture and Technology

2021 – 2022

Diploma in Information Communication Technology | Africa International University

2017 – 2019

Certificate in Mobile Information Technology | eMobilis

2015 – 2016

Core Competence

- Communication (verbal and written)
- Customer service
- Accurate and Detail Oriented.
- Teamwork and conflict resolution.
- Interpersonal and people skills.

- Ability to work independently.
- A positive attitude when working under pressure.
- Problem-solving
- Confidence and Patience.
- Curiosity
- Accountability
- Time management

References

- ◆ **Januaris Muli – Kenya National Bureau of Statistics**
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Tel: +254725848572
- ◆ **Salim Wanzetse – Just Computer Planet.**
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