

Brian Cheruiyot Koech

Mechanical engineer

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Summary

Experienced engineer with a robust background in mechanical engineering, specializing in the installation, operation, maintenance, and optimization of machinery and equipment. Proven expertise in developing and implementing preventive maintenance programs, managing vehicle fleets, and ensuring regulatory compliance. Skilled in utilizing computer-aided design tools to enhance engineering processes and drive continuous improvement initiatives in plant maintenance and transport operations.

Education

BSc The University of Nairobi , Mechanical engineering	Jan. 2015 to Sept 2020
• Grade: Second Class Honors (Upper Division)	
Sec Nakuru High School , KCSE	Feb. 2010 to Nov. 2013
• Grade: A plain	
Pry St Mary's Mixed Day & Boarding Primary School (Bomet) , KCPE	Jan. 2000 to Nov. 2009
• Grade: A plain	

Experience

Leira Foods (EPZ) Limited , Mechanical engineer (Plant)	Athi River, Kenya Dec. 2023 to present
<ul style="list-style-type: none">• Oversee the maintenance and repair of all mechanical equipment in the factory i.e production machinery, HVAC, conveyors, and forklifts.• Implement and manage preventive maintenance schedules to reduce downtime and extend the lifespan of equipment.• Order necessary parts and supplies to ensure availability for routine maintenance and emergency repairs.• Design and implement equipment modifications to help improve safety and reliability• Integrate lean manufacturing principles and other efficiency-enhancing methodologies into daily operations.• Conduct regular safety audits and risk assessments to identify and mitigate potential hazards.• Perform diagnostics and troubleshooting on mechanical systems to identify and resolve issues promptly.• Oversee the installation, testing, and commissioning of new machinery and equipment.• Maintain accurate records of maintenance activities, equipment performance, and compliance reports• Collaborate closely with other departments, such as production, quality assurance, and health and safety, to ensure seamless operations.	
Insta Products Ltd , Plant Maintenance engineer	Athi River, Kenya Apr. 2023 to Nov. 2023
<ul style="list-style-type: none">• Conduct inspections, lubrication, and cleaning of mechanical components as part of the preventive maintenance schedule.• Repair or replace defective parts, such as bearings, seals, gears, and belts, to restore equipment functionality.• Respond promptly to equipment breakdowns and emergencies to minimize production downtime.• Install new machinery and equipment, ensuring proper alignment, leveling, and calibration.• Adhere to all safety protocols and regulatory requirements while performing maintenance tasks.• Complete maintenance logs, inspection reports, and other required documentation.• Communicate effectively with team members to coordinate maintenance activities and minimize disruptions.• Clean and sanitize filling machines between product runs to prevent contamination.	

Kericho County , Transport Officer (Mechanical Engineer) <ul style="list-style-type: none"> • Provided professional and technical services to the county on procurement, repair, maintenance, and disposal of vehicles, plant, and equipment. • Conducted pre and post-repair inspections to ensure optimal performance and compliance with safety standards. • Inspected machines, engines, transmissions, etc., and ran diagnostic tests to discover functionality issues and prepare quotations. • Maintain detailed records of all maintenance and repair work performed while working collaboratively with other mechanics and technicians to complete complex repairs • Oversee the repairs, maintenance, and disposal of vehicles, plant, and equipment in the county. • Coordinated procurement, standardization, and maintenance of public service vehicles, plant, and equipment. 	Kericho, Kenya Apr. 2022 to Apr. 2023
Cloudfactory Kenya , Team Lead <ul style="list-style-type: none"> • Led the production team in training deep learning models by accurately categorizing content, labeling images, and annotating data, resulting in improved model accuracy by 31% • Demonstrated proficiency in reporting and documenting issues encountered during data annotation to the client, leading to prompt resolution and improved data quality • Collaborated with the development team to implement feedback-driven enhancements, leading to more efficient data processing and model training 	Nairobi, Kenya Jan. 2020 to Mar 2022
Independent Electoral and Boundaries Commission , IT Support <ul style="list-style-type: none"> • Provided first-level IT support, effectively troubleshooting and resolving technical issues for staff, resulting in a 98% resolution rate on initial contact. • Assisted in the administration and maintenance of office IT systems, ensuring network reliability and minimizing downtime. • Conducted training sessions for staff on new software and technologies, enhancing their technical skills and reducing the number of support requests by 20%. • Implemented data security measures and regular backup procedures, safeguarding sensitive information and preventing data loss. • Created comprehensive IT support documentation and user guides, improving the efficiency of the IT support team and providing clear instructions for common issues. 	Bomet, Kenya Jan 2022 to Aug. 2022

Additional Experience And Awards

Volunteer (06/2020 - 12/2020, Bomet NGO Consortium): Educated community members on matters concerning environmental conservation.

Attachee (01/2019 - 03/2019, James Finlay’s Kenya Limited): Collaborated effectively with engineers and technicians on diverse projects, ensuring successful completion and integration of mechanical designs.

Skills

- Languages:** SQL, R, Python, Django
- Software:** MySQL, Power BI, Office Suite, Google Workspace, SPSS, Autodesk Inventor, AutoCAD, Solidworks
- Professional:** Time management, Communication, Adaptability, Collaboration, Mechanical aptitude, Lean Manufacturing, Six Sigma Methodologies