



Ampaire Irene

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Kabowa, Kampala

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Key Competencies

Design and analysis proficiency

Agile/Scrum Methodologies

Field Operations & Equipment Management

Engineering Design & Analysis

RESTful APIs & Version Control (Git)

Technical Documentation & Reporting

Leadership & Team Management

Root Cause Analysis & Process Improvement

Professional Summary

Results-driven Mechanical Engineer with extensive hands-on experience in field operations, equipment maintenance, technical reporting, and digital systems development. Proficient in engineering analysis and problem-solving, complemented by full-stack development skills that enhance operational efficiency, safety, and documentation accuracy. A proven track record of delivering innovative solutions in dynamic environments underscores a commitment to excellence in modern engineering practices. Eager to leverage expertise to contribute meaningfully to technology-driven projects and initiatives.

Education

Bachelor of Engineering in Mechanical and Manufacturing Engineering 2017 – 2022

Kyambogo University

CGPA: 4.39 | **Honours:** Second Class, Upper Division

Professional Experience

Carriage and Wagon Examiner Oct 2023 – Oct 2025

Uganda Railways Corporation, Kampala

- Improved inspection throughput by 15%, reduced unscheduled repairs by 20%, and enhanced documentation accuracy by 25% through digital logging.

Teaching Laboratory Technician Aug 2023 – Mar 2024

Kyambogo University, Dept. of Mechanical Engineering

- Supported thermodynamics and HVAC labs, improved student engagement, and maintained equipment safety standards.

Parts Assistant Engineer Apr 2023 – Aug 2023

The Motorcenter East Africa

- Reduced stockouts by 15%, improved reconciliation speed by 20%, and boosted parts sales conversions by 10%.

Registration

Uganda Institution of Professional Engineers (UIPE)

Status: Graduate Engineer (In Progress)

Projects

Lead Developer (Apprentice) | ONIMS MIS Mar 2025 – Sep 2025

Hold The Child NGO – South Sudan

Developed a full-stack, modular Management Information System (MIS) using the MERN stack to digitize HR, Programs, Operations, and Finance functions.

Web Developer | Quizzy Quiz Application Personal Project

Engineered a full-stack web application enabling users to create, manage, and participate in quizzes, demonstrating end-to-end software development skills.

Referees

Engineer Ssekamate Geoffrey Busulwa

Chief Mechanical Engineer, Uganda Railways Corporation

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Mr. Alirach Victor

Workshop Manager, Tata Uganda Limited

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Dr. Maureen Nalubowa

Head of Mechanical Engineering, Kyambogo University

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