LEONARD BOMA

Engineer

A result-oriented Electronics and Computer Engineering student with hands-on experience in renewable energy, aviation technology, and web development. Seeking a challenging opportunity to apply my skills and contribute to innovative engineering solutions.

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EDUCATION

Bsc. Electronics and Computer Engineering
Jomo Kenyatta University of Agriculture and Technology, JKUAT

09/2021 - Present   *Juja, Kiambu County*

WORK EXPERIENCE

Electronics Engineering Attachee
Kenya Airports Authority (Jomo Kenyatta International Airport)

05/2024 - 08/2024   *Nairobi, Kenya*
Achievements/Tasks

- Provided technical support for the maintenance and troubleshooting of airport communication systems.
- Assisted in the installation and configuration of surveillance and image processing systems.
- Gained hands-on experience in the calibration and testing of aviation electronics equipment.

Contact : Eng Wameo - +254722417122

Wind Energy Engineering Attachee
KENGEN Ngong' Wind Farm

06/2023 - 08/2023   *Ngong', Kenya*
Achievements/Tasks

- Assisted in the maintenance and repair of wind turbines, ensuring optimal performance and energy output.
- Collaborated with senior engineers on data collection and analysis for improving turbine efficiency.
- Conducted regular inspections and troubleshooting of electrical control systems.
- Participated in safety and compliance audits, ensuring adherence to industry standards.
- Assisted in the development and implementation of preventive maintenance schedules.

Contact : Eng Ian - +254728200092

SKILLS

- PLC programming and SCADA systems.
- Aviation communication and navigation systems.
- Wind turbine technology and electronics.
- Adaptability to learn new technologies.
- Full-stack development

PERSONAL PROJECTS

Car Dealer CMS (03/2025 - Present)

- Developing scalable RESTful APIs using Node.js to connect the CMS with the responsive frontend, ensuring real-time updates of car inventory and dealership information
- Looking to implement advanced search and filtering functionality including cascading filters for taxonomy and range filter for attributes. Setting up pagination optimized for search engines allowing google to crawl individual pages
- Integrating AI which will fetch structured data about an uploaded vehicle

ORGANIZATIONS

Young AI Leaders, AI for Good (02/2025 - Present)
Member

CERTIFICATES

Zoho Creator, Young Creator's Program (11/2024 - 11/2024)
Created an event organization solution with features like organizers' activities management and place mapping.

Huawei Appcube Hackathon (12/2024 - 12/2024)
One-stop cloud application development, commissioning, and commercialization platform, supporting zero and low-code and professional development modes

LANGUAGES

English
Full Professional Proficiency

Swahili
Full Professional Proficiency

Kidawida
Native or Bilingual Proficiency

INTERESTS

- AI and cloud Engineering and Architecture design
- Finding out new Web 3 and 2 technologies and design
- Reading classical literature and intellectual stimulating books