

BASIL LAMBERT WABUKO

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Computer Scientist | Software Developer | Data Scientist

PROFESSIONAL SUMMARY

Versatile Software Engineer with a 2+ years solid foundation in Computer Science and a proven ability to build scalable, full-stack web applications and data-driven systems. Skilled in Python, Java, C#, JavaScript, and modern web technologies across both front-end and back-end. Experienced in data analysis, machine learning, and delivering production-ready solutions that solve real-world problems. Detail-oriented, collaborative, and driven by a passion for building impactful software in fast-paced environments.

CORE COMPETENCIES

- Full-Stack Development
- DevOps & Automation
- Problem Solving
- CI/CD Pipelines
- Data Visualization & Manipulation
- Hardware & Software Engineering
- Collaboration & Agile Practices
- Linux Systems

PROFESSIONAL EXPERIENCE

Software Engineer

Export Processing Zones Authority (EPZA), Sept 2025 –Present

- Builds and maintains full-stack applications supporting operations, compliance, and investor services.
- Develops RESTful APIs, optimizes databases, and automates workflows to improve data accuracy and reporting.
- Implements CI/CD pipelines, containerization, and deployment automation.
- Collaborates with cross-functional teams to deliver reliable, production-ready software.

Software Engineer

Kenya Civil Aviation Authority (KCAA), Aug 2024 - Aug 2025

- Developed full-stack systems supporting aviation safety, licensing, and digital document management.
- Built dashboards for real-time analytics and improved legacy systems.

- Ensured secure integrations and supported cloud modernization.

Software Engineering Intern

Kenya Civil Aviation Authority (KCAA), Apr 2022 – Aug 2022, Apr 2023 – Aug 2023, Apr – Aug 2024

- Assisted in software development, debugging, and testing.
- Supported UI/UX enhancements and system documentation.
- Participated in UI/UX improvements, ensuring applications were more user-friendly for internal staff and aviation personnel.
- Supported system documentation, API documentation, and creation of training materials for end-users.

EDUCATION

Bachelor of Science in Computer Science

Kisii University

TECHNICAL SKILLS

- **Languages:** Python, Bash, JavaScript, Java, C#
- **Web:** LAMP & MERN stacks
- **Tools:** Git, GitHub, Docker, Apache, AWS, GCP, Postman, Swagger
- **Databases:** PostgreSQL, MySQL, SQLite, MongoDB, Firebase, Redis
- **Monitoring:** Prometheus, Grafana, ELK Stack (basic knowledge)
- **Data/ML:** NumPy, pandas, scikit-learn, TensorFlow, PyTorch

WORKSHOPS & BOOTCAMPS ATTENDED

- Google Software Engineering Bootcamp (Nairobi): Full-stack development, API design, cloud fundamentals.
- Safaricom Digital Talent Program Workshops: DevOps basics, mobile/web development, agile teamwork.
- Andela Learning Community (ALC) Training: Python, JavaScript, problem-solving, version control.
- Microsoft Azure & Cloud Skills Workshops (Nairobi): Cloud deployment, serverless functions, monitoring.
- IBM SkillsBuild Kenya Sessions: Data analysis, automation, foundational AI concepts.
- Moringa School Tech Workshops: Front-end development, Git workflows, UI best

practices.

- Local DevOps & Linux Bootcamp (Nairobi): Docker, CI/CD pipelines, server management.
- SQL & Database Design Workshop (Kenya Tech Community): Data modelling, indexing, query tuning.

LANGUAGES

- **English:** Fluent

REFERENCES

Available upon request.