David Seme Luvai

Software Engineer | Data Analyst

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EXPERIENCE

Software Engineer & Lead Data Analyst
LociAfrica | Oct 2023 – Present | Onsite

- Developed and customized ERP solutions using Microsoft Dynamics NAV/Business Central and .NET, streamlining enterprise operations.
- Built and maintained Android applications, enhancing operational efficiency and field data collection.
- Designed and deployed interactive Power BI dashboards, empowering leadership with real-time business intelligence.
- Integrated Microsoft Business Dynamics NAV with external portals, ensuring seamless, secure data synchronization.
- Led data migration and business process automation initiatives, improving reporting speed by 45%.

Robotics & STEM Instructor
ChezaStemEd | Sep 2023 – Nov 2024 | Part-Time

- Designed and delivered inclusive STEM education workshops, introducing 100+ underrepresented students to robotics, Python, and Scratch programming.
- Developed tailored interactive lesson plans, improving student engagement and retention by 30%.
- Mentored learners in critical problem-solving skills and showcased diverse career pathways in STEM fields.
- Supported community outreach initiatives to promote diversity, equity, and inclusion (DEI) in technology education.

Junior Software Engineer Intern
ByteCity Inc. | May 2022 – Aug 2022 | Onsite

- Built and maintained Django-based web applications, incorporating modern UI/UX practices with Tailwind CSS.
- Assisted in relational database design (PostgreSQL), unit testing, debugging, and agile sprint cycles.
- Collaborated in CI/CD workflows with GitHub Actions, strengthening team software delivery pipelines.

COMMUNITY ENGAGEMENT

- Volunteer Mentor, Tech4Good Kenya – guided high school students in building basic mobile apps (2024).
- Contributor, Open Source ERP Enhancements – improved open-source ERP documentation and plugins (Ongoing).
- Organizer, Nairobi Power BI User Group Meetups (2024) – facilitated community workshops on business intelligence tools.

TECHNICAL SKILLS

- Programming & Development: Python, JavaScript, .NET, Django, Android Development, SQL, Flutter (beginner)
- ERP & System Integration: Microsoft Dynamics NAV/Business Central, API Development, System Customizations, Jet Reports
- Data & Analytics: Microsoft Power BI, PostgreSQL, Data Visualization, Exploratory Data Analysis (EDA)
- DevOps & Cloud: GitHub Actions, Docker (basic proficiency)
- Professional Skills: Problem-solving, Business Analysis, Communication, Agile Development, Adaptability

PROJECTS

ERP Sales Analysis System
Developed a Python-based automated system for tracking and analyzing customer sales transactions with CSV integration and visual reporting.

Hotel Chatbot (NLP Project)
Designed an intelligent chatbot using Python (NLTK) for hotel reservations, customer FAQs, and meal recommendations.

Hotel Management System (Web & Mobile)
Built a secure, full-stack hotel booking system featuring authentication, payment gateways, and reservation management.

Customer Churn Prediction Model
Developed and evaluated a machine learning model to predict customer attrition in a subscription-based service.

Therapy Mobile App (Flutter)
Started the foundation for a Flutter-based therapy support application, focused on mental health professionals.

EDUCATION

Bachelor of Science in Computer Science

The Co-operative University of Kenya | Sep 2019 – Dec 2023

GPA: 3.6/4.0

CERTIFICATES

- Microsoft Certified: Power Platform Fundamentals (2025)
- Certified ERP Specialist (2025)
- Data Visualization with Power BI – Udemy (Completed 2024)

INTERESTS

ERP Systems, Open Source Contributions, Web Assembly, Blockchain Technology, Data-Driven Business Strategy, Hackathons, Formula 1, Basketball, Photography.

REFERENCES

Duncan Mwirigi

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Walter Kiprono

Senior Software Engineer | LociAfrica

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