

Eugene Nyamari

Software Engineer

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Nairobi, Kenya

SUMMARY

Dynamic Software Engineer and Database Developer with a proven track record in crafting cutting-edge software applications and optimizing database systems. My expertise spans online and mobile payments, IoT management, and data analysis, delivering insightful visualizations and scalable microservices solutions. With extensive industry experience, I leverage my deep understanding of software engineering principles and top-tier technical skills to drive innovation.

EXPERIENCE

01/2023 - Present	<div>Software, IOT and Database Engineer Freelance - GridDB, Hydrometrics Kenya</div> <ul style="list-style-type: none">Developed and maintained high-performance, scalable, and secure IoT data pipelines and applications.Improved system performance by evaluating and recommending software products based on system development requirements.Collaborated with clients using Agile methodologies, leading to successful project outcomes.Increased data accuracy by 20% through validation scripts and secure data handling protocols.Integrated secure hashing algorithms for sensitive data management, enhancing data security.
03/2025 - 12/2025	<div>Volunteer Backend Developer. Bank.green ↗</div> <ul style="list-style-type: none">Built scalable Python Django applications with PostgreSQL for LLM-assisted financial policy analysis, deployed on Azure cloud infrastructure with SQLAlchemy ORMDeveloped database optimization strategies for 55,000+ bank records using SQL joins and pandas, implementing data parsing solutions for sustainability policy evaluation and cache bank results on RedisCollaborated in Agile development environment using Linear project management and SCRUM methodologies, integrating LlamaIndex for AI-powered bank policy analysis workflows
12/2023 - 12/2024	<div>Data Consultant Ecostart Africa</div> <ul style="list-style-type: none">Led data collection and cleaning for pilot projects and POC in Kenya and Zimbabwe, increasing data accuracy by 30% and reducing compliance problems by 25%.Developed Ecostart's AI-powered Data Resource platform, accelerating the startup's early-stage development by 40%.
10/2019 - 12/2022	<div>Software and Database Developer Earthview Management Limited-KAPS LIMITED ↗</div> <ul style="list-style-type: none">Developed payment APIs for live transactions, converting 90% of company client-owned meters into prepaid smart meters.Led database design and development, enhancing performance and security for utility systems and MDMS systems.Led and developed 8-person technical support team, implementing performance metrics that improved first-response time by 45% and customer satisfaction scores from 3.2 to 4.7/5Redesigned Smart Electric Meter System data API services, increasing data frequency and reducing data loss by 90%.

09/2019 - 01/2020

ICT Officer

Nakuru Water and Sanitation Company Limited ↗

- Managed data security and privacy for over 100 IoT meter sources.
- Improved customer satisfaction scores by 65% through proactive communication during system outages and streamlined issue resolution processes
- Led a small mission-focused team to build a B2B marketplace for recyclables trading, ensuring seamless collaboration and achieving project milestones on time.
- Owned end-to-end customer and business impact, developing innovative solutions in response to the evolving market, resulting in a 30% increase in user engagement.

EDUCATION

2015 - 2018

Computer Networking

Kabarak University

Cisco Certified Network Associate 1-4

09/2014 - 12/2018

Computer Science

Meru University of Science and Technology

Bachelors of Science Degree in Computer Technology

SKILLS

Programming & Development: Python, Javascript, Flask, Django, APIs, Web Application Development	Expert	Technical Analysis and Support	Advanced
Database Management: SQL, Microsoft Access, PostgreSQL, MySQL, NoSQL time-series databases	Expert	Tools: PowerBI, Tableau PL/SQL, Testing, Microsoft Office (Word, PowerPoint, Advanced Excel)	Advanced
Cloud & Infrastructure: AWS EC2, Unix/Linux Administration	Expert	Agile Methodologies: Scrum, Kanban	Advanced
Data Analysis & Engineering: Data Visualization, Data Architecture, Data Modeling, IoT and Embedded Systems	Advanced	Team Leadership & Performance Management	Expert
		Process Documentation & SOP Creation	Expert

LANGUAGES

English	Fluent	Swahili	Native
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