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Top Skills

Software Development
Software Systems Engineering
Computer Networking

Certifications

Artificial intelligence
Data Analytics
Certified Data Scientist

Amoni Kevin

Data Scientist | AI/ML Engineer | Full Stack Engineer
Nairobi County, Kenya

Summary

Hi, I'm Kevin Amoni – a software engineer and data scientist on a mission to build technology that transforms lives and solves real-world challenges. With a knack for backend development and a deep dive into AI and machine learning, I bridge the gap between code and data to create solutions that don't just work—they make a difference.

My Journey

It all started with a Bachelor's degree in Applied Statistics with Computing from Moi University, where I discovered my love for turning numbers into narratives and systems into solutions. Certifications from ALX Africa in AI and Data Analytics sharpened my skills, fueling my passion for innovation. Today, I thrive at the intersection of software engineering and data science, crafting tools that empower businesses, communities, and individuals.

What I Do

Software Engineering: I design and build tailored backend solutions that streamline processes. Think Bursary Applications, a system I created to automate manual bursary processes across Turkana and other Kenyan counties, slashing processing times by 50%. Or Innobid, an AI-driven e-procurement platform that boosts bid evaluation accuracy by 30%.

Data Science & AI: At Turk Analytica, I lead data management projects as a Senior Data Scientist, turning raw data into strategic gold. A standout moment? Conducting a survival analysis for HIV/AIDS patients in Migori County, which reshaped healthcare strategies with insights powered by Python, SQL, and deep learning.

Automation & Innovation: Right now, I'm building AI agents to automate workflows and experimenting with no-code tools like Make and N8N—because great tech should be accessible to everyone.

I've also lent my skills to designing sleek, user-centric websites for organizations, proving that functionality and aesthetics can coexist beautifully.

Mindset: A relentless curiosity to solve problems, whether through code, data, or a hybrid of both.

The Big Picture

I'm not just here to build systems—I'm here to build a legacy. As an aspiring tech entrepreneur, I'm laying the groundwork for a fintech company that will redefine financial services across Africa. My vision? To harness technology for financial inclusion, efficiency, and empowerment.

Let's Create Something Epic

If you're passionate about impactful projects—whether it's crafting cutting-edge software, unlocking data's potential, or launching the next big thing in fintech—let's connect. I'm always up for a challenge, eager to collaborate with visionaries, and ready to turn ideas into action. Together, we can code the future, one solution at a time.

Experience

State Department for Diaspora Affairs | Kenya

Software Developer

January 2025 - Present (3 months)

Upper Hill Nairobi

Develop and maintain digital platforms (Diaspora Information Management System) that connect Kenyans abroad with homeland services.

Collaborate with cross-functional teams to translate policy and user needs into secure, efficient software solutions.

Implement robust cybersecurity measures and ensure compliance with government data privacy standards.

Optimize and troubleshoot existing systems to enhance user experience and system performance.

Provide technical support and training to departmental staff to ensure effective use of digital tools.

Turk Analytica

Data Scientist

January 2024 - Present (1 year 3 months)

Lodwar, Turkana County, Kenya

As a Senior Data Scientist at Turk Analytica, I lead and execute data-driven projects to uncover insights that drive strategic decisions and innovations. My key responsibilities and achievements include:

- Project Leadership: Spearhead end-to-end data science projects, from data collection and cleansing to analysis, visualization, and reporting. Ensure projects are completed on time and meet high-quality standards.
- Advanced Analytics: Conduct complex analyses using statistical methods and machine learning algorithms to solve business problems and uncover trends. Key projects include a survival analysis on poverty levels in Turkana.
- Tool Proficiency: Utilize a robust toolkit, including Python, SQL, PowerBI, and Tableau, to handle diverse data challenges and deliver insightful visualizations and dashboards.
- Model Development: Develop, test, and deploy machine learning models that enhance decision-making processes. Continuously monitor and refine models to improve accuracy and performance.
- Data Strategy: Collaborate with cross-functional teams to define data strategies and identify opportunities for leveraging data to achieve business goals.
- Stakeholder Communication: Present findings and recommendations to stakeholders in a clear and compelling manner, ensuring they understand the implications and potential actions.
- Innovation and Improvement: Stay updated with the latest industry trends and technologies. Implement new tools and techniques to improve efficiency and outcomes.

Achievements:

- Successfully led a high-impact project analyzing the survival rates of HIV/AIDS patients, resulting in actionable insights for healthcare interventions.
- Developed and deployed predictive models that improved operational efficiency and decision-making for clients.
- Created interactive dashboards and reports that enhanced data transparency and accessibility for non-technical stakeholders.

County Government of Turkana
Internship Trainee
January 2022 - June 2022 (6 months)
Lodwar, Turkana County, Kenya

- Assisted in data collection and analysis for various county projects.
- Supported the development of reports and visualizations to inform policy decisions.

Education

Holberton School
Computer Software Engineering · (September 2023 - January 2025)

ExploreAI Academy
Data Science, Data Processing and Data Processing Technology/
Technician · (May 2023 - July 2024)

Moi University
Bachelor's degree, Applied Statistics With Computing · (September
2018 - March 2023)