

STACEY NYAMBURA

+254769656811
staceynyambura6@gmail.com

PROFESSIONAL SUMMARY

A highly motivated and technically skilled Information Technology student with hands-on experience in full-stack software development, data analytics, and cloud-based deployment. Proven ability to design, develop, and launch scalable web applications using modern technologies like Python, FastAPI, and the MERN/MEAN stack. Strong foundation in database management, RESTful API development, and DevOps practices. Adept at translating business requirements into technical solutions and delivering projects on time. Seeking to leverage technical and analytical skills in a challenging role to drive innovation and support organizational goals.

SKILLS & PROFICIENCIES

Technical Development & Data Engineering:

- Using Python-based backends with FastAPI and the MERN/MEAN stack (MongoDB, Express.js, React, and Node.js), the developer is adept at creating and implementing end-to-end web applications.
- Backend & API Development: Experience in managing server-side logic, establishing JWT authentication, and creating safe, scalable RESTful APIs.
- Database Management: Proficient in CRUD operations, database architecture, and performance optimization for both SQL (PostgreSQL, MySQL) and NoSQL (MongoDB) databases.
- Cloud Deployment & DevOps: Practical knowledge of adopting CI/CD principles, using version control (Git), and deploying and maintaining live applications on cloud platforms (Heroku, Vercel).

Data Analytics & Visualization:

- Data processing and analysis: Demonstrated capacity to extract, purify, and organize intricate datasets to produce insights that can be put to use. Adept at automating and manipulating data efficiently using Python libraries such as Pandas and NumPy.
- Business intelligence: Proficiency in developing and constructing interactive analytics dashboards for web applications that monitor KPIs and display operational metrics, user activity, and sales performance.
- Advanced Excel: Excellent proficiency with data models, pivot tables, and sophisticated formulas for in-depth reporting and data analysis.

Machine Learning & Predictive Modeling:

- Predictive analytics: Showed that it is possible to convert a real-world issue into a technical solution by using Scikit-learn and machine learning techniques to create and assess predictive models, like the alcohol relapse prediction system.
- Data-Driven Forecasting: Provided a tactical advantage in planning and decision-making by using statistical modeling and trend analysis to forecast results.

Business & Entrepreneurship:

- Product Management & Strategy: Knowledge of the entire product lifecycle, including ideation, market research, development, launch, and iteration of an operational SaaS product ("Checkmate").
- Entrepreneurial Execution: Demonstrated capacity to recognize market demands, produce data-driven solutions, and construct workable business plans with clear revenue operations and pricing schemes.
- Policy-Driven Impact: The ability to use technology to solve systemic issues and convert data insights into scalable, workable plans.

Communication & Collaboration:

- Technical Communication: The capacity to explain intricate technical ideas to a range of audiences, record system architectures, and produce application manuals that are easy for users to understand.
- Cross-Functional Collaboration: Proficiency in converting business needs into technical specifications while working in teams to ensure alignment and successful project outcomes.

Communication & Collaboration:

- Analytical Problem-Solving: Proven ability to break down difficult, unclear issues, such as software system design or predictive modeling, and create workable, long-lasting solutions.
 - Systems Thinking: The capacity to comprehend and create within intricate systems, taking into account data flow, user roles, infrastructure, and security to create dependable and expandable applications.
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SOFT SKILLS

- Innovative and Analytical Thinking: Demonstrated through the creation of sophisticated machine learning models and innovative software solutions.
 - Debugging full-stack applications and resolving technical issues during deployment are examples of problem-solving and troubleshooting skills.
 - Time management and adaptability: developed and launched a live software product while juggling a rigorous academic schedule.
 - Communication Skills: Capable of explaining complicated ideas, expressing technical decisions, and documenting code.
 - Professionalism and Integrity: Maintained a professional standard in all deliverables and handled sensitive project data in an ethical manner.
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COURSES & CERTIFICATIONS

DataCamp – MySQL (Intermediate)

Completed intermediate-level training in MySQL, focusing on database management and writing complex queries.

Cisco – Cybersecurity Essentials

Gained foundational knowledge in cybersecurity, including network security, threat prevention, and risk management.

Huawei – HCIA Datacom

Acquired expertise in networking, data communication, and the configuration and troubleshooting of networks.

REFERENCES

KENGEN SUPERVISOR

Mr. Geoffrey Kimotho

+254721845638

Mentor

Mrs Tabitha

+254724328901

WORK EXPERIENCE

Sales Assistant

2019 to 2021

Retail Sector

- Engaged with customers to identify needs and recommend products.
- Gained firsthand experience in customer behavior and market trends.

Data Analyst & Designer

2023 to present

- Analyzed data and IT maintenance for small businesses to support decision-making.
- Designed marketing materials and brand visuals for advertising campaigns.
- Completed a 3rd-year attachment at KenGen, where I gained hands-on experience with SAP, data management, and business operations in a large-scale environment.

Full-Stack Developer

2025 to present

- Architected and deployed a secure, production-grade web application using a modular, scalable architecture.

EDUCATIONAL BACKGROUND

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

Bachelors in Information Technology