




Emmanuel Otieno

Software Engineer

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Profile

I'm a **Versatile Full Stack Software Engineer & Data Scientist** with a Bachelor's degree in Software Engineering. Expertise in Java, Python, TypeScript/JavaScript, and C++ with proven experience in React and Django web development. Combines strong development skills with advanced data analytics using Python, R, and SPSS to deliver data-driven solutions.

Experienced in cross-platform mobile development (Android Studio, Flutter) and cloud technologies (Azure). Collaborative team player proficient in agile workflows using Jira, Zoho, and GitHub. Brings a unique combination of full stack development and data science expertise to drive business growth through robust applications and actionable insights.

Education

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| 2019 – 2023 | BSc Software Engineering, <i>Murang'a University of Technology (MUT)</i> | Murang'a, Kenya |
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Professional Experience

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| 2024 – present | Full-Stack Developer, DESOUZA TECHNOLOGIES <ul style="list-style-type: none">Independently developed and deployed 3 live web applications as sole full-stack developerOptimized website SEO performance, improving search engine rankings and organic trafficImplemented and managed Google Ads campaigns to maximize client website traffic and conversionsExecuted comprehensive social media marketing strategies for company's IT solutions and portfolio | Nairobi, Kenya |
| 2022 – 2022 | Computer Sales and Technical Officer (Attaché), CELLICA COMP VILLA <ul style="list-style-type: none">Managed sales and marketing of laptops and computer hardware accessoriesProvided technical support and repair services for computer hardware and accessoriesMaintained customer relationships and provided technical consultation services | Nairobi, Kenya |
| 2022 – 2023 | Full-Stack Developer and Tester, GRAPH SOLUTIONS <ul style="list-style-type: none">Developed native Android applications for clients using Java, delivering scalable mobile solutionsBuilt robust back-end API endpoints using Node.js to support application functionality | Nairobi, Kenya |

- Implemented secure user authentication and real-time data synchronization through Firebase
- Collaborated with cross-functional teams including designers, product managers, and QA testers to ensure seamless app development and delivery

2021 – 2022

Mobile Developer, CLICKBANX AFRICA

Nairobi, Kenya

- Developed front-end mobile application for Clickbanx wallet MVP using Flutter framework
- Delivered responsive and user-friendly mobile interface for financial technology solution

Skills

Programming Languages — Java | Python | JavaScript/TypeScript | C++, | R | SQL

Web Development — React | Django | Node.js | HTML/CSS

Mobile Development — Android Studio (Java) | Flutter (Dart) | Cross-platform development

Data Science & Analytics — Python for Data Science | Machine Learning | SPSS | Data Analysis | Statistical Modeling

Cloud & Devops — Microsoft Azure | Firebase | API Development | Database Management

Development Tools — GitHub | Jira | Zoho | Version Control

Digital Marketing — SEO Optimization | Google Ads | Social Media Marketing

Others — Full-Stack Development | Software Testing | Technical Support | Project Management

Languages

English



Swahili



Certificates

BSc Software Engineering
Degree

**statistical software package developed
by StataCorp (STATA)**
Certificate

**Statistical Package for the Social
Sciences (SPSS)**
Certificate

References

Dr. Asige Chavulami, *Dean of Students*, Murang'a University of Technology (MUT)

Vincent Macharia, *Chief Executive Officer*, Graph Technologies
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Fredrick Waihenya, *Chief Technology Officer*, Clickbanx
+254759008773

Felix Desouza, *Founder and CEO*, Desouza Technologies
+254710441465