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Top Skills

Career Management

Tech Career Skills

Programming

Certifications

Introduction to Career Skills in Data Analytics

Introduction to Cybersecurity

Learning Data Analytics: 1 Foundations

Learning Data Analytics Part 2: Extending and Applying Core Knowledge

Career Essentials in Data Analysis by Microsoft and LinkedIn

Victor Chege

Software Developer | Python & Django | Data Science & Web Applications | Passionate About Solving Real-World Problems with Code | BSc Software Development @ KCA University
Nairobi, Nairobi County, Kenya

Summary

I am a driven software developer with over two years of hands-on experience in Python programming, web application development, and data analysis. Currently pursuing a Bachelor of Science in Software Development at KCA University, I combine academic knowledge with practical experience to build real-world solutions.

My technical foundation includes Python, Django, Flask, REST APIs, PostgreSQL, and data tools like Scikit-learn, Pandas, and Power BI. I've delivered results in internships and freelance roles, including developing a churn prediction model with 82% accuracy, building sentiment analysis tools, and creating interactive dashboards to support decision-making.

I am actively seeking opportunities in software engineering, backend development, and data-driven roles. I thrive in collaborative environments and am committed to continuous learning and delivering value through code.

Experience

KRA(KENYA REVENUE AUTHORITY)

Software Development Attaché

May 2025 - Present (3 months)

Times tower

Integrated analytics into HR reporting tools, enhancing data mapping and visualization capabilities. Enabled evidence-based decision-making, improving reporting efficiency by 30% and stakeholder insight accessibility.

Debugged and optimized dynamic logic in the HR survey chatbot, improving conditional flows based on user inputs. Increased response accuracy by 25% and reduced logic errors by 40%, leading to more reliable HR data collection.

Designed and launched a public-access survey feature, removing login barriers for external stakeholders. This enhancement increased survey completion rates by 60% and expanded engagement to over 500+ non-registered users.

Executed system performance testing under varied load conditions, diagnosing and eliminating key bottlenecks. Achieved a 40% improvement in response time and boosted platform uptime and stability across peak usage scenarios.

Floating Arrow

Founder & Python Developer

January 2023 - Present (2 years 7 months)

Nairobi County, Kenya

Founded and lead a freelance development studio focused on backend systems, APIs, and automation tools using Python.

- Built and maintained 6+ web applications using Django and Flask for local businesses and student projects.
- Developed RESTful APIs, integrated third-party services, and designed PostgreSQL schemas for scalable performance.
- Improved legacy system efficiency by 30% through backend optimization and code refactoring.
- Delivered fully deployed client systems, including hosting, deployment automation, and user documentation.

Arthur dynamics

3 years 11 months

Founder & President

September 2021 - Present (3 years 11 months)

Nairobi

Data Science Projects

September 2024 - April 2025 (8 months)

Nairobi County, Kenya

- Churn Prediction Model (Python, Scikit-learn): Built a logistic regression model with 82% accuracy using customer transactional data to predict churn. Applied feature engineering and class balancing.
- Interactive Sales Dashboard (Power BI): Developed a dashboard for a retail dataset integrating filters for regions, product categories, and sales reps.

- Sentiment Analysis Tool (Python, NLTK): Created a tool to extract customer sentiment from reviews. Integrated into a feedback analytics platform.

Avey Unlimited

Founder & Lead Django Developer

January 2024 - March 2024 (3 months)

Operated a solo development studio delivering Django-based applications to early-stage businesses.

- Designed and deployed 3 full-stack web apps with Django and PostgreSQL, supporting dashboards and admin panels.
- Created and tested backend APIs; collaborated with clients on functional specifications and feature design.
- Achieved 99.9% uptime post-deployment with Heroku-based continuous deployment setup.
- Provided ongoing support, bug fixes, and feature updates to clients for a period of 2–3 months post-launch.

Education

KCA University

Bsc software development , Computer Software Engineering · (September 2021 - December 2025)