Jacob **Kingi**

Junior Software Engineer

Address Nairobi, Kenya, 00100

Phone 073-798-2036

E-mail jacobkingzklbz5115@gmail.com

Twitter https://twitter.com/jacobki04299329

LinkedIn https://www.linkedin.com/in/jacob-kingi-664948167/

WWW https://zety.com/profile/jacob-kingi/593

Motivated student completing Applied Computer Technology degree. Experienced in Agile and Scrum environments. Supports team administrative, project coordination, design and programming needs. Fluent in French and English. School projects included building apps, optimizing programs and validating code. Complex problem-solver with analytical and driven mindset. Dedicated to achieving demanding development objectives according to tight schedules while producing impeccable code. Personal projects include a house price prediction mobile application implementing machine learning algorithms in the backend based in Nairobi. Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals.

Skills

Skill	Rating
Build releases	Very Good
API design knowledge	Very Good
Technical Analysis	Very Good
Technical Writing	Very Good
Algorithm implementation	Very Good
Web-based software engineering	Very Good
Testing and maintenance	Very Good
Hardware and software installation	Good
Programming	Very Good
Agile	Good
Project budgeting	Good

Team reporting

Very Good

Collaborative development planning

Very Good

Python

Very Good

Work History

2019-09 - 2022-03   **Backend Developer**

Sarami, Nairobi, Kenya

- Designed, developed and tested software applications. Researched, designed and implemented machine learning applications to solve business problems affecting over 100 non-banked artisans in Kenya.
- Coded backend using python, flask framework
- Employed python to write unit tests, make line-code repairs and optimize code.
- Assisted in planning, implementing changes and integrating requested elements to streamline business operations.
- Determined coding requirements for specialized scripts.
- Collaborated with other stakeholders to determine organizational need and design pages to meet goals.
- Maintained microservices of backend.
- Conducted testing and review of website design for responsiveness, clarity and effectiveness.
- Conducted functional testing over course of application development lifecycle.
- Oversaw back-end development using python to maintain website integrity, security and efficiency.
- Discussed site and app requirements with clients to produce actionable development plans and budgets.
- Provided ongoing efficiency and security maintenance and patching on website interface to maintain viability after launch.
- Recommended data standardization and usage for protection of data integrity.
- Transformed project data requirements into project data models.
- Designed and developed schema data models.
- Updated organizational systems and subsystems to improve and streamline data collection.
- Authored code fixes and enhancements for inclusion in future code releases and patches.
- Tuned systems to boost performance.
- Created proofs of concept for innovative new solutions.
- Designed, developed, modified and debugged programs.
- Prototyped machine learning applications and quickly determined application viability.
- Created customized applications to make critical predictions, automate reasoning and decisions, and calculate optimization algorithms.

- Composed production-grade code to convert machine learning models into services and pipelines to be consumed at web-scale.
- Leveraged artificial intelligence and machine learning algorithms for standalone products and enhanced existing product offerings.
- Modeled predictions with feature selection algorithms.

2019-04 - 2019-08   **Machine Learning Intern**

Nganuzi, Nairobi, Kenya

- Prototyped machine learning applications and quickly determined application viability.
- Created customized applications to make critical predictions, automate reasoning and decisions, and calculate optimization algorithms.
- Composed production-grade code to convert machine learning models into services and pipelines to be consumed at web-scale.
- Leveraged artificial intelligence and machine learning algorithms for standalone products and enhanced existing product offerings.
- Transformed raw data to conform to assumptions of machine learning algorithm.
- Studied new technologies to support machine learning applications.
- Implemented and evaluated artificial intelligence and machine learning algorithms and neural networks for products.
- Cooperated with front-end developers and other team members to design more cohesive and functional code.
- Designed, developed and tested software applications. Researched, designed and implemented machine learning applications to solve business problems affecting over 10 banks in Kenya.

Education

2020-01 - 2022-09   **Bachelor of Science: Applied Computer Technology**

USIU - Nairobi, Kenya

- Dean's List Fall 2022
- Dean's List Summer 2021
- Dean's List Spring 2021
- Dean's List Fall 2021
- Dean's List Summer 2020
- Dean's List Spring 2020

- Member of Artificial Intelligence/ Data Science club

2018-01 - 2019-12   **Bachelor of Science: Computer Networking And Telecommunications**

UEAB - Kapsabet Kenya

2011-09 - 2017-07   **High School Diploma**
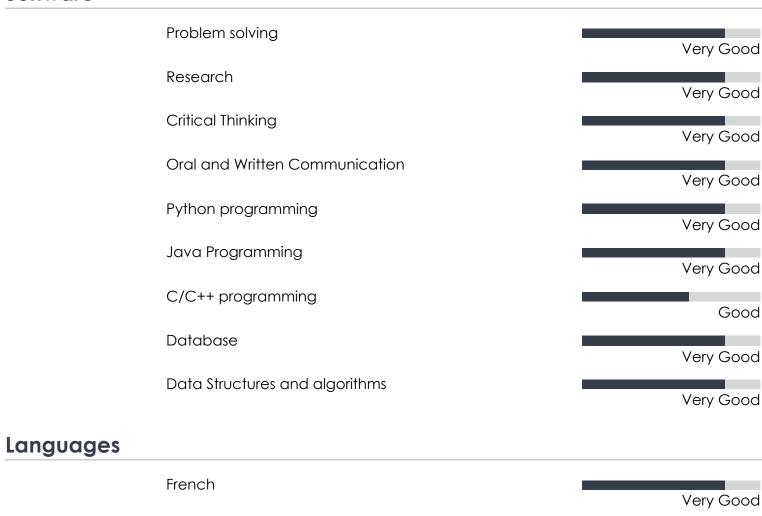
College Alfajiri - Bukavu, DRC

Accomplishments

- Collaborated with team of 5 in the development of a credit scoring system tailor to Kenyan retailers.
- Supervised team of 3 staff members.
- Documented and resolved image recognition which led to the development of a cheque recognition system for bank usage.
- Designed a new workflow to improve overall query performance.
- Resolved product issue through consumer testing.
- Participated in the creation of the Artificial Intelligence and Data Science club in the university.
- Mentored 2 members of the Congolese community at usiu

Software

Problem solving

Very Good

Research

Very Good

Critical Thinking

Very Good

Oral and Written Communication

Very Good

Python programming

Very Good

Java Programming

Very Good

C/C++ programming

Good

Database

Very Good

Data Structures and algorithms

Very Good

Languages

French

Very Good

English

Very Good

Certifications

2021-12   HCIA Security

2021-12	NVIDIA certificate of competency in Deep Learning
2021-12	HCIA IoT
2019-09	Hurt Prize Harvard Participation Certificate

Interests

Football

Music

Self development

Continuous Learning

Video Games

Community Service

Discovery

Traveling