Collins Kimotho

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Professional Summary:

Dedicated Software Engineer with experience in full-stack development, including expertise in Node.js, MongoDB and API design. Proficient in building scalable web application and solving complex problems in Agile environments. Strong background in data processing, web scraping, and creating efficient, user-centric solutions. Passionate about delivering high-quality software and continuously improving technical skills.

Education:

African Leadership University (ALX) | Nairobi, Kenya　　　　*11/2023 – 01/2025*
Diploma in Computer Science (Software Engineering)

Kirinyaga University | Nairobi, Kenya　　　　*02/2015 – 09/2019*
Bachelor of Commerce (Finance Option)

Work Experience:

ALX Africa　　　　*11/2023 – 01/2025*
Software Engineer | Nairobi, Kenya

- Contributed to the development of Airbnb clone by implementing a user-friendly frontend system using HTML, CSS and JavaScript and a backend using Flask and SQLite.
- Designed and consumed RESTful APIs to ensure seamless communication between front-end and backend systems, while effectively debugging issues to optimize performance.
- Collaborated effectively with developers on GitHub, leveraging strong communication and collaboration skills to ensure timely delivery of projects within Agile workflows.
- Utilized Docker to containerize applications and streamline deployment processes.

ULA Africa　　　　*05/2022 – 06/2023*
Volunteer Software Developer | Nairobi, Kenya

- Developed a web scraping solution using Scrapy, Selenium, and Beautiful Soup, leveraging problem-solving skills to improve data collection accuracy by 45%.

- Engineered and optimized a database system using MongoDB to store and manage scraped data, enhancing data retrieval speed by 20% and ensuring scalability for future growth.
- Designed and implemented a RESTful API to enable seamless integration with front end applications, providing efficient data retrieval and management capabilities.
- Created detailed documentation for the API and database system to support scalability and streamline onboarding for future developers.

Technical Skills:

Programming Languages:	JavaScript (ES6+), Python, C
Frameworks:	Frontend: React, Tailwind CSS, Bootstrap
	Backend: Node.js, Express.js, React, Flask, Django
Databases:	MongoDB, SQLite, MySQL, Redis
DevOps & Tools:	Docker, Git, Nginx, Apache, Linux, Ubuntu
Libraries:	Selenium, Scrapy, Beautiful Soup, Pandas, NumPy, Matplotlib
Testing:	Postman, Jest, Mocha

Portfolio:

GitHub:	https://github.com/collins-kimotho
Website:	https://kim-collins-portfolio.vercel.app/

References

Available upon request