

# Collins Kimotho

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Nairobi, Kenya

## Professional Summary

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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

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**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

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**ALX Africa** 11/2023 – 01/2025

*Software Engineer | Nairobi, Kenya*

- Contributed to the development of Airbnb clone by implementing a user-friendly front-end system using HTML, CSS and JavaScript and a backend using Flask and SQLite.
- Built and consumed RESTful APIs to enable smooth communication between frontend and backend systems.
- Collaborated effectively with team of developers on GitHub, utilizing version control and Agile methodology to deliver projects on time.
- 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 BeautifulSoup improving data collection of house listings by 45% while ensuring 100% accuracy

- 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.

## Technical Skills

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<b>Programming Languages:</b>	JavaScript (ES6+), Python, C
<b>Frameworks:</b>	Node.js, Express.js, React, Flask
<b>Databases:</b>	MongoDB, SQLite, MySQL, Redis
<b>DevOps &amp; Tools:</b>	Docker, Git, Nginx
<b>Libraries:</b>	Selenium, Scrapy, BeautifulSoup, Pandas, NumPy, Matplotlib

References available upon request.