

Sylvester Ouma Ouma

Phone: 0748281259

Email: reubensleeq@gmail.com

LinkedIn: [Sylvester Ouma Ouma](#)

GitHub: [OumaSylvester](#)

Objective

Versatile and results-driven Software Engineer with a strong background in both backend and frontend development using JavaScript, Python, Django, Java, C++, and C. Dedicated to delivering high-quality products, ensuring client satisfaction through technical excellence and effective communication. Eager to contribute technical prowess, collaborative communication skills, and problem-solving acumen in a dynamic team environment. Motivated and independent thinking developer, quick learner, able to pick up the nuances of a complex domain fast. Intellectually curious and have done many interesting things.

Education

- BSc in Computer Science
Moi University, Graduation Year: 2024
 - Secondary Education
Ambira Boys High School, 2014-2017
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Technical Skills

- Languages: JavaScript, Python, Java, C++, C, PHP
- Web: React, Node.js, HTML, CSS, Tailwind CSS
- Frameworks: Django, Spring Boot, React, Express.js, Laravel, Node.js

- Databases: MySQL, MongoDB, PostgreSQL
 - Tools: Git, Docker
 - Algorithms & Data Structures: Proficient in designing efficient solutions
 - Other: Pygame for video game design
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Professional Experience

Software Development | Freemont International Associates | Remote | March 2023 -

- Backend programming with the Django framework and Django Restframework.
- Implementing UI functionality with React JS, JS.
- Collaborating on a scorecard management system that will improve companies performance by more than 50%

Software Developer | Webacha Limited | Remote | April 2023 - December 2023

- Designed and developed a robust E-commerce system, doubling company sales due to online presence and ease of use. Implemented advanced search algorithms to enhance product discovery and user experience.
- Proficient in Python, Django, SQL, UI/UX design, and frontend development. Led a team of developers in delivering timely and high-quality solutions.

Software Developer Attache | Coretec Systems Africa | Muthangari Dr, Nairobi

- Enhanced core functionalities through C++/C development and optimization algorithms, resulting in a 30% increase in system performance and reliability.
 - Led development of a Human Resource Information System with Microsoft Dynamics NAV, streamlining HR processes and reducing administrative overhead by 20%.
 - Gained experience in UI development and system integration, contributing to the development of user-friendly interfaces and seamless data flow.
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Personal Projects

1. Flight Management System - Kenya Airways Clone: Developed a comprehensive system using Django, showcasing skills in backend development and system architecture. Implemented real-time flight tracking and management features, improving operational efficiency for virtual airlines.
2. CheckMech - On-Demand Roadside Assistance Platform: Created a web application for connecting drivers with mechanics, reducing response time by 40% and improving customer satisfaction.
3. Data Compression Project: Implemented Huffman and Arithmetic coding algorithms in C/C++ for efficient media file compression, reducing storage space and improving data transfer speeds.
4. AI Search Algorithms Implementation: Enhanced user experience through AI search algorithms, leading to a 25% increase in search accuracy and user engagement.
5. Employee Management System in PHP: Designed and implemented an Employee Management System, automating task assignments and performance tracking, resulting in a 15% increase in productivity. This is the most recent PHP application I have developed.
6. School website in PHP and Javascript: I developed a school website with intuitive user-interface and with full responsiveness. This was more of knowing the intricacies of PHP programming languages and over the years I have honed my skills in this.
7. Video Game Design and Development in Pygame: Created games like tic-tac-toe, demonstrating creativity and proficiency in game development.

Soft Skills

- Excellent communication and collaboration skills fostered through team projects and client interactions.
 - Strong problem-solving and adaptability demonstrated in resolving technical challenges and learning new technologies.
 - Effective teamwork and collaboration in both remote and office environments.
 - Motivated and independent thinking developer, quick learner, able to pick up the nuances of a complex domain fast.
 - Intellectually curious and have done many interesting things.
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References

1. Marvin Kimani - CEO Webacha Company Limited, Contact: 0700134945
2. Mr. Ernest Kiprop - Lecturer Moi University, Contact: 0720250396
3. Dr. Austin Wetoyi - Lecturer Moi University, Contact: 0733323828