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Clement Lumumba

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Work Experience

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|--|--|---------------------------------|
| Software Engineer | Elearning Solutions Limited
Nairobi, Kenya | January, 2023 – Present |
| <ul style="list-style-type: none">Worked on the back-end development team where we used Django Rest API to integrate our course content into Riara university's LMS allowing hundreds of students to access information easily.Collaborated with a team of 4 developers to successfully create, customize, and launch a Django openEDX instance for our e-learning company, enhancing the user experience and expanding our course offerings.Worked in a team of 3 developers to intergrate Pesapal payment APIs into our in-house e-learning platform, using Django resulting in a 30% increase in customer acquisition and improved payment processing efficiency.Spearheaded a 2-member team to implement an automated enrollment and registration system for our courses page, reducing administrative workload and improving user satisfaction.Set up the in-house Moodle LMS on Google Cloud Platform, ensuring smooth operations and user-friendly access. Integrated payment systems, streamlined certificate and badge issuance processes, and improved the overall functionality of the platform.I maintain and optimize the two in-house learning management systems hosted on Google Cloud Platform.Implemented robust monitoring and incident response protocols, resulting in a 99.9% uptime rate and enhanced system reliability. | | |
| Software Engineer | Efisaes
Nairobi, Kenya | July, 2022 – Dec 2022 |
| <p>Customer Success Team</p> <ul style="list-style-type: none">Worked on back-end development with Java EE and jQuery with HTML and CSS for the front-end.Assisted and learned from senior-developers in adding features to the code base.Part of a team of 5 developers to integrate a geo-zone tracking system for Zuku Internet marketers. | | |
| Information Technology Support Staff | Kenya Bureau of Standards
Nairobi, Kenya | August, 2021 – July 2022 |
| <p>IT Staff</p> <ul style="list-style-type: none">Implemented a system upgrade: Successfully led the migration of the company's email system from an outdated on-premises solution to a cloud-based platform.Reduced downtime: Implemented proactive monitoring and maintenance procedures for critical IT infrastructure, resulting in a 40% decrease in system downtime.Implement a new testing suite using MSTEST for KEBS in house .NET apps, reducing total missed production bugs by 75%. | | |

Education and Certifications

- B.Sc. Information Technology**, Multimedia University of Kenya.
 - Full-Stack Web Development**, Moringa School.
 - Data Analysis with Python**, Dataquest.
- Feb 2020–July 2024**
October 8, 2022

Technologies and Languages

- Languages:** Python, C#, Javascript, C/C++, Typescript, HTML, CSS
- Technologies:** Django, Postgresql, Docker, Reactjs, FastAPI, Angular, AWS, MySQL
- Other:** DSA, System Design, Redis, Docker, Kubernetes, Linux, RESTful APIs, Supabase, Git

Projects

- **Albums App** - Built with Angular and Firebase that consumes REST APIs from jsonplaceholder.
- **Pata Daktari** - Built using Django & Jinja, its an app that allows users to request PCR covid tests and also book a doctor at your nearest hospital.
- **Kenyan Election Data Visualization** - Developed an Angular app that visualizes election data per county (gubernatorial, senatorial, presidential and women representative), built with Angular Material and Firebase.
- **Live Weather** - Built with Angular and Firebase the app consumes weather data and allows you to check weather of any city/town.