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Vincent Otieno

Software Engineer

Portfolio: itsvince.me
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SKILLS

Languages	Python, JavaScript, C programming, Ruby.
Frameworks	HTML, CSS, Bootstrap4, JQuery, Django, Flask, Ruby on Rails, REST API, React
Tools	Git, SQL, Unit Testing tools, Jira, Linux.
DevOps/Cloud	AWS(CloudFormation, S3, EC2, CloudFront, IAM, RDS, ECS/ECR, Aurora, DynamoDB), Docker, Kubernetes, CI/CD(CircleCI, GitHub Action, Ansible, Terraform, Prometheus), Azure, Linux, Nginx, GCP, Microservices.

TECHNICAL EXPERIENCE

Software & DevOps Engineer / Blockchain Platform December 2021 — Current

Machini Technologies Remote

- Reduced waste bin theft and mismanagement activities by 75% by building a geolocator and alerts feature using GeoDjango and Django-Webpush modules for the smart waste bins.
- Resolved users' data clutter by building a cluster feature for every group for better data management, organization, and user experience. Each cluster could accommodate more than 50,000 users.
- Automated testing using tools such as Selenium and JMeter, resulting in faster and more reliable testing, and improved overall quality of the application.
- Implemented automated monitoring and alerting using Prometheus and Grafana, reducing response time to critical issues by 90%.
- Reduced cost for the company by 20% by improving the CI/CD pipelines to clean up unused resources like servers on the AWS cloud.

Back-end & DevOps Engineer / Internal SaaS CRM

October 2021 — November 2022

Skylux Tech Nairobi, Kenya

- Reduced the number of customer complaints by 88% in 2 weeks by building a new extensive test feature using Coverage and Pytest tools to slowly solve the bugs.
- Increased reporting speed for the internal analytics team by 23% by implementing RESTful API that enabled the same.
- Worked in an Agile/Scrum environment as part of a cross-functional team to deliver features and improvements to the application, resulting in improved collaboration, communication, and delivery speed.
- Amplified our CI/CD release speed by 90% through GitHub Actions automation, which created new docker images and sent them to AWS ECR, from which ECS spun new containers with the latest changes.

Technical Pre-sales Engineer Intern / Software Resale

August 2019 — April 2020

Comztech East Africa Nairobi, Kenya

- Scoped technical solutions required to address customer requirements, assessed customers' needs, and recommended optimum solutions.
- Acted as a Project Manager for each deal to ensure the final solution is delivered towards the customer's expectation and is based on the initial proposal.
- Developed top-notch sales presentations, demonstrations, and prototypes of our software solutions to articulate use cases and value to the customer.

Front-end Developer(Freelancer) / Real Estate

April 2019 — July 2019

WestSideReal Nairobi, Kenya

- Built and offered technical support to a website that aided the resale of land, houses, and rentals.

Front-end Developer(Freelancer) / Cargo Delivery

September 2018 — February 2019

Shoppers Cargo Nairobi, Kenya

- Developed and maintained a WordPress website that facilitated marketing and shipment operations of goods.
- Integrated package tracking plugin that assisted customers to be able to track their package delivery status.

EDUCATION

DevOps Nanodegree, *Udacity*

May 2022 — August 2022

Specialization, Software Engineering, *Holberton School*

January 2021 — March 2022

The ALX Holberton Software Engineering program is a 12-month(70h/week) immersive program that engages technology enthusiasts and budding software engineers to build high quality skills in Full-Stack Software Development.

Computer Science, *Riara University*

January 2017 — July 2021

Courses: OOP in C++, Compilers, Algorithms, Operating Systems, Data Structures.

CERTIFICATIONS

Cloud DevOps Nanodegree - *Udacity*

2022 — 2022

Learning Ansible - *LinkedIn*

2022 — 2022

AWS for Developers: SNS, SQS, and SWF - *LinkedIn*

2022 — 2022