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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, JQuery, Django, Flask, Ruby on Rails, REST API.
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 Engineer(Contract) / Blockchain Platform <i>Machini Technologies</i>	December 2021 — November 2022 <i>Remote</i>
<ul style="list-style-type: none">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.Reduced the number of frontend bugs reported by clients by 42% in one month by building a unit testing infrastructure for the web application using Selenium and Chrome web driver.Built and integrated a fully functional chatroom feature using Websockets and Asynchronous Server Gateway Interface(ASGI) which facilitated more than 20 groups and departments to communicate effectively within the system.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 Developer / Internal SaaS CRM <i>Skylux Tech</i>	October 2021 — November 2022 <i>Nairobi, Kenya</i>
<ul style="list-style-type: none">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.Collaborated with an agile team of 4 to prioritize and scope feature requests to ensure that the most significant impact features were worked on first.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.	

PROJECTS

African Ruby Community Platform (Open Source) - Implemented a CI pipeline with GitHub Action and user authentication.	2022
Real Estate - A real estate app api built with Django, docker, Nginx, and more.	2022
Employee Record Management - Udapeople - Utilized a CI/CD pipeline to build, test, analyze, create infrastructure, configure infrastructure and deploy the project on AWS using Clouformation.	2022
Machine Learning Inference Microservice - Containerized a Machine Learning microservice on docker and deployed it into a Kubernetes cluster.	2022
Tour Me - A simple project that enables tourists in a new area to hire a local tour guide.	2021
Airbnb Clone - a simple project that helped me understand fundamental concepts of higher-level programming.	2021

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 in a variety of programs across in- demand tech disciplines to prepare them for a global career as a Full-Stack Developer.	
Diploma, 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