LYLE OKOTH

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linkedin | github | medium | portfolio | twitter

Software Engineer (backend)

Creative Backend Developer with DevOps experience who focuses on building, deploying and maintaining highly scalable and highly available microservices. Enjoys solving problems that involve algorithmic design and cloud computing. Domain expert in building applications for the robotics industry using Robot Operating System, Python, C++, Flask, Django and Amazon Web Services. A leader in identifying opportunities for applications development.

Skills

- **Programming Languages**: Python | JavaScript | C
- **Server-side frameworks**: Flask | Django
- **Client-side frameworks**: React
- **Other Frameworks**: Robot Operating System (ROS) | HTML | CSS
- **Cloud**: AWS EC2 | AWS S3 | AWS ECS | AWS EK8 | AWS ECR | AWS CloudFormation
- **Logging**: ELK stack
- **Operating Systems**: Linux | Windows
- **Databases and ORM**: Postgres | MongoDB | SQL Alchemy | SQL
- **Unit testing**: Pytest | Unittest
- **CI/CD and Versioning**: git | github | docker | docker-compose | github actions | AWS CodeBuild | AWS CodeDeploy | AWS CodePipeline

Professional Education

- **B.Sc. In Mechatronics Engineering**, 2016 – 2019 | Jommo Kenyatta University of Agriculture and Technology, Kenya

Languages

- English C_1
- Swahili C_2

Training | Courses | Certifications

- **ALX** | Software Engineering Bootcamp, 2022 - 2023

PROJECTS

Blog Application

Features:

- Built with Python, Flask and PostgreSQL
- Logging and Monitoring using ELK stack
- Emailing using AWS SES
- Search service using Elastic search
- Photo storage using AWS S3
- Asynchronous task handling using celery
- Payment processing using PayPal and MPesa
- Content recommendation system and Content moderation system.