

MR. LYLE OKOTH

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JUNIOR SOFTWARE ENGINEER

I design, develop, test, deploy, document and maintain scalable micro-services. My core competency is around:

- Backend development using python with Flask and Django.
- Infrastructure provision using Heroku and Digital Ocean.
- Code Quality Assurance.
- Technical Documentation.

WORK EXPERIENCE

Founder and Robotics Engineer – Oryks Robotics

February 2021 to December 2021

- Came up with the product concept as well as the business model then designed and built the product prototype.
- Presented both at the Startup Weekend and Mount Kenya Innovation week both in DeKUT and Tech Expo 11.0 in JKUAT being the top 5 finalist in all the competitions.

SKILLS

- **Backend Development** using Flask, Django, MongoDB, PostgreSQL, Git, GitHub as well as Agile development following scrum guidelines with JIRA.
- **DevOps** with Git, GitHub, Linux, Docker, Kubernetes, Heroku and Digital Ocean.
- **Quality Assurance** using pytest, unittest, selenium and beehave.
- **Technical Documentation**; I document code, both internal and external and write '*How to Tutorials*' on medium.
- **Frontend Development** – I am currently learning HTML, CSS, JavaScript and React.

PROJECTS

- **GitHub OAuth App** – A web application that authorizes a user using their GitHub credentials.
- **GitHub Dynamic Badge Generator** – A web application that generates dynamic GitHub badges.
- **GitHub Action for Code Coverage** – A GitHub Action that shows code coverage for a project built with Python and hosted on GitHub.

EDUCATIONAL BACKGROUND

2016 – 2019: Jomo Kenyatta University of Agriculture and Technology

Bachelor of Science in Mechatronics Engineering

2012 – 2015: Friends School Kamusinga

Kenya Certificate of Secondary Education (K.C.S.E) Grade: A plain