Edward Omondi

Software Engineer

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+254 701 088 334
Nairobi, Kenya

Profile

Skilled graduate mechatronics engineer with 4+ years of experience in software engineering and solar PV. Proven ability to lead and manage projects, as well as work independently. Expertise in a variety of engineering disciplines, including mechanical, electrical, and software. Strong problem-solving and analytical skills

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Employment History

Software Engineer at Technovation Ventures Ltd, Nairobi
07/2022-Present

- Designing, building, deploying and maintaining full web and mobile applications on both bare metal and virtual servers running linux OSs.
- Frontend development done using Angular and Java (Spring MVC).
- Backend development done using Java (Spring, Spring boot and Java EE/Jakarta EE).
- Postgresql database integration.
- Authentication done using Keycloak and OAuth 2.0 principles.
- Developed automated scripts to implement CI/CD principles

Freelancing, Nairobi
01/2022-07/2022

- Designed, developed, deployed, and maintained fully working mobile and web apps on Google Play Store and online.
- Front-end technology was Flutter.
- The back-end and database technology is Google Firebase.

Workshop Manager at DK Engineering Ltd, Nairobi
11/2021-05/2022

- Maintained a clean and organized workshop that improved employee morale and productivity.
- Ensure smooth delivery of products within set timelines.
- Manage the operations of the workshop.
- Maintained a 100% success rate in the delivery of all products.

Technical Lead at Mulika Africa Solar Ltd, Nairobi
08/2019-11/2021

- Designed solar photovoltaic and solar water heating systems
- Supervision of site installation and repairs of solar photovoltaic systems
- After-sales support and service.
- Successfully carried out site surveys and supervision of site installations
- Successfully solved customer complaints and troubleshoot inverter problems

Trainer & Customer Service at ITC Africa Kenya, Nairobi
01/2019-01/2021

- Train end users on the use and navigation of system applications
- Provide first-line support and resolution for customers
- Act as liaison between customers and technical team to address customer challenges
- Led successful training on a crowdfunding application (chango)

Side Projects

Kidsquad Arcade Points Scanning System Design & Development
01/2024-05/2024

Designed, developed and implemented the kids point tracking system for Kidsquad in Mexico that allowed kids wearing a RFID bracelet to get them scanned and get points added to their account so that they can later trade in the points for items at the site.

Aims Airbnb Inventory Management System
05/2023-Present

Designed, developed, deployed and continuously maintain and upgrade an angular-springboot web application that is connected to a raspberry pi(Python) that acts as a controller for a solenoid lock. The system allows airbnb owners to control flow of their inventory as well as manage bookings, customers and customer payments

Admin at Big Hearts Charity Foundation, Nairobi
12/2014-12/2015

Coordinator of the charity for home visits and item collection drives

Education History

BSc. Mechatronics Engineering, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi
09/2015-04/2021
Graduated with a Upper Second Class Honors

High School Certificate, Booker Academy, Mumias, Kakamega County, Kenya
09/2015-04/2021
Graduated with a Upper Second Class Honors

Internships

Drawing Technician at DK Engineering Ltd, Nairobi
05/2017-08/2017

- Creating production drawings and designing equipment using Autodesk Inventor
- Designed a kerosene fryer using Autodesk Inventor
- Developed and drew the patent drawings for the kerosene fryer using Autodesk Inventor
- Prepared the working drawings for a corn pepper using Autodesk Inventor

Drawing Technician at DK Engineering Ltd, Nairobi
05/2018-08/2018

- Creating production drawings and designing equipment using Autodesk Inventor
- Designed a kerosene fryer using Autodesk Inventor
- Developed and drew the patent drawings for the kerosene fryer using Autodesk Inventor
- Prepared the working drawings for a corn pepper using Autodesk Inventor

Intern at Enreal Ltd, Nairobi
12/2014-08/2015

- Record keeping
- Preparation of transcripts
- General administration including bill payments
- Organization of the filing system
- Developed operational templates for business use

Links

Linkedin
https://www.linkedin.com/in/edward-omondi-6644b7a8/

Github
https://github.com/EdwardOmondi

UI/UX Portfolio
https://drive.google.com/drive/folders/1SrF87cx1sDU_AItCvHb3mh7b1u-7Dfg1?usp=drive_link
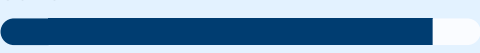
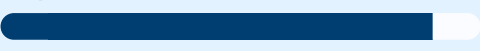**SolarOn (Webapp)**
https://solaron.web.app/
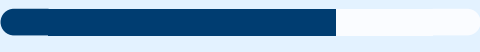
Aims (Webapp)
https://aims-demo.web.app/

Skills

Java
Angular
Postgresql
Git & Github
UI/UX
Linux
Typescript
Python
CI/CD
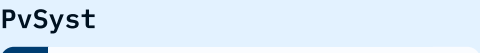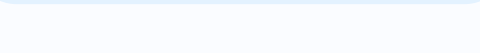**Flutter**
Firebase
Autodesk Inventor
C
Microcontroller Programming
PvSyst
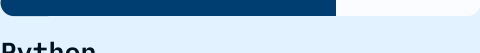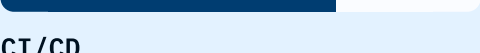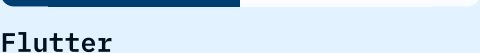
Hobbies

Cars & Car culture, Board games, music

References

Sharon Holi from Safaricom Plc
sharonholi@gmail.com

Fransisco Ininguez from Kidsquad
fjoseiniguez.mas@gmail.com
+52 664 275 0908

Watson Maina from DK Engineering Ltd
gathenya.watson@gmail.com
+254 729 679 708

Tom Tiriongo from Enreal Ltd
tom.tiriongo@enreal.co.ke

Adah Okada from Mulika Africa Solar Ltd
adahmercedes@gmail.com

Victor Arunda from Technovation Ventures Ltd
victor.oyugi@technovation.ke
+254 705 427 223

Courses

Angular Bootcamp at Udemy
06/2022-08/2022

Spring Bootcamp at Udemy
09/2022-11/2022

Flutter Bootcamp at Udemy
03/2021-06/2021

Business MBA at Udemy
08/2020-10/2020