



Denzel Wamburu

FullStack Software Engineer

Info

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Skills

Backend Development
(NodeJS, TS, Python)

UI Development (React,
Angular)

Firmware Programming (C,
C++, JS)

Machine Learning (Supervised
& Unsupervised Learning,
Intergration)

Cloud (GCP, AWS, Azure, DO,
PAAS)

DevOps(CI & CD, Logging &
Error Tracking)

Hobbies

Travelling, Camping, Puzzles.

Links

[Github](#)

[LinkedIn](#)

[Twitter](#)

Profile

Experienced Software Engineer proficient in delivering expertise in design, installation, testing and maintenance of complex software systems. Equipped with a diverse and promising skill-set. Proficient in various platforms, languages, and embedded systems. Experienced with the latest cutting edge development tools and procedures.

Employment History

FullStack IOT Engineer , UN-HABITAT

Aug 2019 – Present 📍 Nairobi

- Assigned under the department of Water & Sanitation to develop a platform to monitor & track on-sewer and off-sewer waste water.
- Worked on the Backend, Frontend, Firmware & intergration of IOT sensors.
- Worked to solve complex problems on using low power and edge processing in the sensor nodes.
- Developed and presented data findings and solutions to audiences including senior government officials and WASH stakeholders.
- Understood how to move a product from ideation to mass withing the Shenzhen ecosystem.

Software Engineer, Autonix Carbide Limited

Jan 2019 – Aug 2019 📍 Nairobi

- Design of hardware sensors that plug into a car and passively collects performance and engine status data in realtime. The data is sent to our cloud platform that processes & analyses it for any anomalies.
- Platform then sends recommendation to the client's app on where and how much they can get repair services in selected garages.
- Worked on an end to end recommendation engine that helped in prediction of failures.

Machine Learning Engineer, Zelta Technologies

Aug 2018 – Dec 2018 📍 London (Remote)

- Developed Computer Vision model to aide in dermatology diagnosis and recommendations.
- Integrated models with mobile app and data pipelines.


Embedded Software Engineer, Mongoose OS

Jun 2017 – Aug 2017 📍 Remote

- Development of command line tools for continuous integration, unit tests, cloud deployments & over the air updates to on/off-field hardware devices.

- Worked on Over the Air firmware updates automation with Google Cloud, Github and Jenkins.


Hardware-Software Engineering Intern, BRCK

Jan 2017 – Jun 2017  Nairobi

- Helped in developing firmware capable of low-power, LoRa, Bluetooth low energy, GSM and sensor integration to enable industrial deployment, data collection and analytics.
- Developed dashboards from wireframes for internal and DevOps monitoring

Education

DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY (DeKUT), Bsc, Mechatronics Engineering

Aug 2014 – Dec 2018  Nyeri

- Specialized in robotics and machine learning for automation systems.


Courses

Self Driving Car Nano Degree, Udacity

Jul 2018 – Jul 2018


Volunteer Experience

UNLEASH 2019

Jan 2020 – Jan 2020  Shenzhen, China

- Received coaching on innovation acceleration to solve the Sustainable Development Goals.

Robotics Engineer

Jan 2016 – Aug 2017  Nyeri

- Lead the robotics team win back to back Best Robotics title in inter-university competition. Wrote cutting age embedded & machine learning software that conquered the various stages of the challenge.