



Peter Mwangi

Software Engineer

I am a passionate programmer with experience in web application and API development. I have a growth mindset, strive for perfection, collaborative and adaptable to changes in workflow and development cycles.

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📍 Nairobi, Kenya

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WORK EXPERIENCE

Software Engineer

Echo Mobile [↗](#)

02/2020 – Present

Enterprise communication technology.

Nairobi, Kenya

Achievements/Tasks

- Design, development and maintenance of features.
- Cloud platform monitoring and issue resolution.
- Research, design and implementation of new products.

Contact: George Marrows – george@echomobile.io

Tutor, Electrical and Electronic Engineering Department.

Machakos Institute of Technology [↗](#)

01/2018 – 01/2020

Technical training and education.

Machakos, Kenya

Achievements/Tasks

- Teaching and evaluating student progress in the assigned units such as engineering mathematics, technical drawing and design.
- Supervising projects, practical work and industrial attachment.
- Advising the management on required materials and preparing all the professional teaching documents.

Contact: The Principal, Mr. Okuthe – principal@mit.ac.ke

Intern, Drilling Operations Department.

Geothermal Development Company [↗](#)

01/2017 – 04/2017

Geothermal energy exploration and drilling.

Nakuru, Kenya

Achievements/Tasks

- Operated drilling rig components and associated systems.
- Monitored well control systems and observed safety measures.
- Carried out routine maintenance of drilling components.

Contact: Denis Barkebo – barkebodenis@gmail.com

EDUCATION

Bachelor of Science Degree

Dedan Kimathi University of Technology

09/2012 – 04/2017

Nyeri, Kenya

Courses

- Electrical and Electronic Engineering.
- Final Year Project: Voice Recognition in MATLAB.

SKILLS

Python

JavaScript

MATLAB

HTML5

CSS3

React

Flask

Git

AWS

Database Management

Version Control CI/CD

PERSONAL PROJECTS

Voice Recognition in MATLAB

(04/2016 – 01/2017)

- Trained and tested a voice recognition model by extracting features from acoustic signals and matching them using Vector Quantization techniques.

Notice Board (08/2018 – Present) [↗](#)

- Created a web application where notices can be easily created and served to users. Suitable for an educational institution.

Suggestion Box (04/2019 – Present) [↗](#)

- Designed and deployed an REST API that lets users create, read, update and delete suggestions. Also implemented a React app that consumes the same API.

ORGANIZATIONS

Engineers Board of Kenya (12/2017 – Present)

Graduate Engineer

Geothermal Association of Kenya

(06/2017 – Present)

Member

INTERESTS

Web Development

Internet of Things

Machine Learning

Artificial Intelligence