Henok Wehibe

DevOps/Devloper
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Tools used

Linux

AWS/DigitalOcean

Ansible

Terraform/Packer

Docker

Nginx/HaprProxy

KVM/Virtualbox

Kubernetes/Microk8s

MongoDb/MySQL

Javascript

Node.js

Express.js

React

Next.js/Gatsby/jekyll

Wordpress/PHP

HTML/CSS/Bootstrap

Summary

DevOps/Devloper from a Linux background with 5+ years experience.

Experience

MicrometreUK 2020- 2022

Research, learn, design and development of linux based software while helping community projects and small business with their IT needs by providing advice and hosting utilising Open Source technology to assist in running required activities.

Responsible for providing technology services from creating hosting solutions on public clouds to developing a Number Plate Recognition application.
Created a Continuous Delivery process with Ansible, Docker, Nginx and Lets Encrypt from capturing customers requirements to deploying code on AWS and DigitalOcean.
Migrating outdated customer sites to a secure, GDPR compliant and accessible frame works with Next.js and gatsby.js.
Designed and deployed a development environment which allows colleagues to provide feedback using Private Version Control(Gitea) and (Rocket Chat) team messaging for automating tasks with webhooks.
Designed and Developed ANPR Parking Management webApp with OpenAlpr using Nodejs,Expressjs and Mongodb for capturing and managing car park entry and exit data.
Creating custom wordpress themes and plugins to suit the need of clients.
Construction and configuration of local Servers with remote administration
Implemented Protection Against Brute Force Attacks with (Fail2Ban) for SSH, Wordpress Gitea etc.
Utilizing HAProxy and Nginx for reverse proxy, load balancer, and SSL Termination.
Configured Monit, crontab and Git for Monitoring, with alerts email notifications and event-based actions to restart or to take other responsive actions for logins, authentication Applications services and log-files.
Research and tested suitable Operating Systems (LibreElec, Armbian, Ubuntu, etc.) for 64bit ARM S905X (M16) SOCs used as a: Low build and running cost server solution
Remastering Ubuntu/Linux distributions to install on desktops laptops and servers, Building custom images using Packer amd Vagrant.
Proviosn virtual machines (VMs) for test and development environments with KVM Virtualbox.