Henok Wehibe

DevOps/Devloper
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Tools used

Linux

AWS/DigitalOcean

Ansible

Terraform/Packer
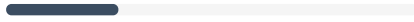
Docker

Nginx/HaprProxy
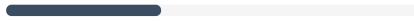
KVM/LXD
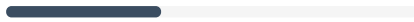
Kubernetes/Microk8s
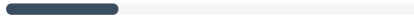
MongoDb/MySQL

Javascript

Node.js

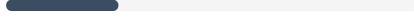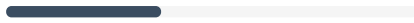**Express.js**
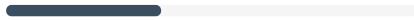
React
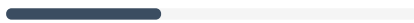
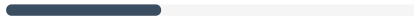**Next.js/Gatsby/jekyll**
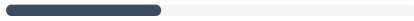
Cypress Testing Framework

Wordpress/PHP

HTML/CSS/Bootstrap

Summary

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

Experience

MicrometreUK   2020- 2022

Responsible for providing technology services from creating hosting solutions on public clouds to developing a Number Plate Recognition application.

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.
Carrying out Lighthouse audits for performance, Accessibility, Best Practices, Search Engine Optimization and Progressive Web App.
Benchmarking and Load testing HTTP servers with ApacheBench(ab) to establish a best-case scenario for a project before and after any deployment.
Designed and Developed ANPR Parking Management webApp with OpenAlpr using Nodejs,Expressjs and Mongodb for capturing and managing car park entry and exit data.
Designed and deployed a development environment which allows colleagues to provide feedback using Private Version Control(Gitea) and (Rocket Chat) team messaging

MicrometreUK   2015- 2019

Providing IT support and advice for training, education, hardware, software and infrastructure needs.

Construction and configuration of local and cloud Servers with remote administration
Implemented Protection Against Brute Force Attacks with (Fail2Ban) for SSH, Wordpress Gitea etc.
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, Vagrant for development and testing environment.
Configured KVM, Virtualbox, Proxmox and LXD for host machine to run multiple virtual machines (VMs).
Utilizing HAProxy and Nginx for reverse proxy, load balancer, and SSL Termination.
Creating custom wordpress themes to suit the need of clients.
Examine existing tooling and process with a view to remove manual handling of data and research new technologies and software which can offer improvements to workflow and efficiency.