

# HENOK WEHIBE

<https://github.com/micrometre>

London UK

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## WORK EXPERIENCE

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### MicrometreUK

2020 - 2024

- Migrated ANPR Parking Management application to a Python/Flask backend and React frontend to modernize the technology stack and improve scalability.
- Developed a new user interface with React, enhancing user experience.
- Integrated the React frontend with the Python/Flask backend using RESTful APIs.
- Leveraged Redis with SSE(Server-Sent Events) to provide instant updates without the need for constant page refreshes.
- Developed Ansible roles to automate the deployment of the ANPR Parking Management application across multiple environments
- Built a scalable and cost-effective ANPR solution that enables businesses to automate vehicle identification, parking enforcement, and data analytics.

## WORK EXPERIENCE

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### MicrometreUK

2018 - 2022

- Developed continuous deployment pipeline using Ansible, Terraform and Packer on AWS.
- Setting up Private Docker Registry to reduce build times.
- Integrating Jenkins with GitHub and Docker to set up Continuous Integration Pipelines.
- Installation and setting up kubernetes cluster with kubeadm, Kubespray and Mikrok8s.
- Hosting and maintaining Gitea for private Source Code Management.
- Built a Pipeline for Deploying code to DigitalOcean With GitHub Actions.
- Experience in Javascript Programming.
- Web Development using Node.js with frameworks Express.js, React.js and Next.js.
- Designed and Developed ANPR Parking Management application with OpenAlpr Expressjs and MongoDB.

## PROJECT

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### Home Laboratory

2015 - 2017

- Construction and configuration of local Servers with remote administration.
- 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 machines 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 needs of clients.

## TECHNICAL TOOLS AND SOFTWARE

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<b>Configuration management</b>	Ansible
<b>Container orchestration</b>	Kubernetes
<b>Cloud Technologies</b>	AWS and DigitalOcean
<b>Languages</b>	Javascript and Shell scripting
<b>Databases</b>	MySQL, and Monogodb
<b>Version Control</b>	Git

## CERTIFICATIONS

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<b>freeCodeCamp</b>	Javascript
<b>NodeSchool</b>	Node.js

## EDUCATION

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<b>South Thames College</b>	Diploma, Information Technology
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