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Technical Skills

DevOps	Ansible, Docker, Git, Kubernetes, Terraform
Languages	Python, Bash Scripting, JavaScript
Web Development	Reactjs, Django, HTML, CSS, Tailwind CSS
Others	JQuery, React Native, Jenkins, Zabbix , Linux, Vagrant

Experience

Oct 2021 - present

Mindfire Solutions, *DevOps Engineer*
- creating Ansible playbooks and roles for existing machines and creating infra on GCP through terraform
- Migrated instances from AWS to GCP.

July 2021 - Sept 2021

Mindfire Solutions, *Associate Software Engineer*
- creating database design through PlantUML
- As full stack web developer, developed back-end in Django, APIs and also contributed features in front-end part.

Projects

Django-AWS Deployment
- wrote terraform file that construct VPC, security group, EBS volume and launch a EC2 instance with these configurations
- python and docker are installed just after launching the instance through provisioning
- Containerizing Django web app and configure Apache web server for the same.
- Launched AWS RDS with PostgreSQL engine and connected to EC2 instance.
- Connected Django App to postgreSQL.

WebApp deployment through Kubernetes
- built a website utilising the FastAPI web framework.
- generated a docker image, containerized the web application, and published it to docker hub.
- Vagrant was set up, and virtual machines were launched and started.
- a ansible playbook was written to provision these machines.
- Using the playbook, I installed the k3s (Kubernetes) server and agent then deployed the master and worker nodes, respectively.
- developed web application and postgres database deployments and services.

RabbitMQ setup, *DevOps Engineer*
- RabbitMQ and its dependencies were installed
- installed zabbix-agent, made rabbitmq items and triggers.

Virtual Machines Migration and Automation, *DevOps Engineer*
- Starting the machine, making an Ansible role and playbook, and configuring them.
- using Terraform to create firewall bindings and rules.
- creating Python and Bash scripts to automate tasks.
- Controlling disc space and the SQL server.
- managing DevOps requests, such as altering firewall rules or existing permissions
- generating a Jira ticket and a Confluence page.

LeanWork, *Full Stack web Developer*
- Kanban like application for work management
- engaged in PlantUML-based database design.
- a functional decomposition diagram that has been produced.
- internationalisation and the dark theme were implemented.
- the user profile image was stored on an S3 bucket when the app was launched on AWS EC2.
- setup the Apache web server on port 80 to serve Django.

Certifications & Workshops

MLOps Training - Machine Learning on DevOps
- implemented cropping and changing of images using OpenCV python module.
- read csv file using pandas and converting to datasets.
- implemented regression and classification model.
- hands on practice on Git, Jenkins, docker and Kubernetes(k8s).
- Deep Neural Networks using Keras and Tensorflow.

Git & Github Workshop
- Working of git.
- git directory structure.
- made local commits and pushed to Github.
- diffrence between merge and rebase.

Docker Training
- pulled docker images from docker hub.
- launched docker container.
- volume attachment, porting, docker network interface.
- creating own docker images using Dockerfile and with build command.

Blogs and Articles

Getting Started With Kubernetes

AWS VPC

GCP IAM and Admin

Django: Python Web Framework

And many more