Natarajan Iyer

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Objective

To secure the role of " Devops Engineer" at PayU and become an integral, value-adding employee who strives for automation and process improvement.

Academic Details

Don Bosco Institute of technology

BE Computer Science , 6, 2020

Work Experience

Nuchange Informatics

Systems and Devops Engineer , Nov 2021 - till date

Role : Dockerization of app and development platform
Orchestration of containers via Docker-Swarm and Kubernetes.
Use Ansible and Chef for configuration and automation.
Build pipelines using GoCD, Jenkins and Gitlab CI.
Creating Linux tools using scripts for various scenarios.
Setup monitoring tools such as Prometheus, Zabbix and build dashboards.
Source code version management.
Provide system and application support.

Newfold Digital

Hosting product specialist , Sep 2020 - Aug 2021

Role : Troubleshooting application issues in Linux.
Writing shell scripts to automate recurring issues.
Providing L2 support to customers.
Handling incident response by coordinating with internal and external teams.
Documenting all unique issues with their fixes.

Project Details

Deployment Pipeline (Ansible, docker and GoCD)

- Designed a pipeline to build, test and deploy incremental updates to production servers.
- Wrote Ansible playbooks to manage docker based testing environments that get invoked by the deployment Pipeline.
- Automated multiple aspects of the process using shell scripting and reduced human intervention on production servers.

Skills

Ansible, Terraform, Docker, Docker-Swarm, Kubernetes, GoCd, Jenkins, Cypress, Shell and Python scripting

AWS, Oracle Cloud, Linux administration, Incident management

MySQL , Postgres , Sqlite, Apache, Tomcat, Nginx, Iptables, Mod-security

Prometheus, Grafana, Zabbix, Nagios, Cypress

Java, Python, PHP, CSS

On site implementation in Laos - Nuchange Informatics

- Was part of the 4 person team for on-site implementation at Laos.
- Coordinated with multiple prestigious organizations such as WHO, Ministry of health, Korean embassy to gather requirements.
- Came up with an Active-Passive configuration for production servers and implemented backup/recovery strategies using remote servers.
- Wrote multiple shell scripts, Ansible playbooks to automate server maintenance and housekeeping tasks.
- Built an Intricate Zabbix dashboard to monitor the server and application health.
- Conducted training sessions for local IT teams on best practices for server maintenance and customisations.

Server Monitoring and Alerting (Prometheus, Grafana and Zabbiz)

- Built "extensive yet easy to understand" monitoring dashboard using Grafana.
- Designed custom metrics for Spring Boot application using Prometheus and constructed intuitive widgets for same in Grafana.
- Configured custom Alerts for server parameters, Java processes and Database incidents such as slow queries.
- Bundled the above mentioned with the existing software installer [Ansible] for easy deployment.
- Achieved the same using Zabbix according to customer needs and requirements.

Period : 15 days   Team Size: 2

Strength

Effective communication, Quick learner, Self motivated

Hobbies

Guitar

Pc-gaming

Trekking

(Natarajan Iyer)