

KRUSHNA PANCHVISHE

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EXPERIENCE

Centre for Development of Advanced Computing (C-DAC)

Pune

Project Engineer (DevOps/MLOps) - Applied AI Group

Oct 2021 - Present

- Design, implement, and maintain the CI/CD pipeline to enable automated build, test, and deployment of software applications resulted in improving application delivery speed as well as reduction in deployment cost by **60%**
- Established CI/CD pipelines with Jenkins, GitLab CI/CD, and AWS CodePipeline for efficient and automated software delivery. Implement and enforce best practices for version control, code merging, and branching strategies.
- Implemented IAM policies to enforce the principle of least privilege and enhance security across AWS projects.
- Collaborated with development teams to optimize build processes and improve code quality using code analysis and testing tools.
- Worked on automated VAPT(SAST) report generation and guided teams to resolve them.
- Managed Gitlab(EE) Administration for whole project. i.e. finalizing folder structure, account management, branching strategies, etc.
- Setup and Implementation of centralised repository management tools from scratch like Nexus, JFrog, Container and package registries in Gitlab EE.
- Configured and managed VPCs, subnets, and firewalls to ensure secure and efficient communication between AWS resources.
- Implemented monitoring and alerting solutions using differnet tools for proactive issue identification and resolution.
- Collaborated with development teams to optimize applications for AWS cloud environments, ensuring scalability and high availability.
- Designed and implemented Ansible playbooks for automated configuration management, resulting in a **40%** reduction in deployment time and ensuring consistent infrastructure across a heterogeneous environment.
- Automated routine tasks using scripting languages (Python, Bash) to improve operational efficiency.
- Configured and managed Docker containers for application deployment, orchestrating them using Swarm/Kubernetes.

EDUCATION

Centre for Development of Advanced Computing (C-DAC)

Pune

PG Diploma Artificial Intelligence - *Grade: A*

Mar 2021 - Sep 2021

Bhivarabai Sawant Institute of Technology and Research

Pune

B.E. Computer Engineering - *72%*

Aug 2014 - Jul 2018

PROJECTS

Human- Robot Interaction using point bug algorithm and android.

- The entire assignment/project is advanced in such a manner that it's far capable of **traversing to the target area through avoiding all kinds of boundaries and shifting on an optimized route** and main to large results both concerning time and electricity.
- **Spellchecker** The idea is to build a spellchecker which works on proper noun. We build it sucessfully but this is failure because we don't have control over phonetic(proper nouns are not universal like english words)
- Docker Hub: **Spellchecker Image** Dockerized the application and deployed it on an AWS amplify.

- **VCS and SCM** : Git, SVN, Gitlab, Github
- **CI/CD** : Gitlab CI, Jenkins
- **Repository Manager** : Nexus, JFrog, Package and Container Registries In Gitlab(EE)
- **Containerization and orchestration** : Docker, Docker Swarm, Kubernetes, Terraform
- **Build Tools** : Poetry, Pip, Maven, Npm
- **Cloud** : AWS/AZURE
- **Monitoring** : Promitheus, Grafana, Elastic Stack, Zabbix
- **MLOps** : DVC, MLflow, Wandb
- **Scripting Languages** : Python, Bash, Powershell
- **Configuration Management Tools** : Ansible, Puppet
- **Others** : Linux, Kafka, MinIo, Nginx