DIVYANSHU SINGH

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Summary

DevOps Engineer at NTT DATA with a strong foundation in DevOps principles, CI/CD pipelines, Cloud Computing, and Infrastructure as Code (IaC). Skilled in Python and experienced in streamlining development workflows to improve efficiency and operational performance. Demonstrated success in implementing DevOps best practices to drive process optimization and deliver scalable solutions. Eager to embrace emerging technologies and deliver innovative strategies to support organizational growth.

Skills

- Python | Java | JavaScript | | HTML | Shell Scripting | OracleDB | RDBMS | OOP | Github Actions | MongoDB | SQL | NoSQL | Git.
- Jenkins | Prometheus | Datadog | Maven | Gradle | Linux | CLI.
- Azure(VM,AKS,Blob,Functions,SQL DB,VPC,Azure DNS,IAM,RedShift,Load Balancer,Elastic) | Cloud Computing | CI/CD | AWS| RESTful WebServices | Unit Testing | Munit Lambda | Datadog | REST APIs | SOAP | XML | JSON | YAML.
- Terraform | Ansible | DevOps | Docker | JIRA | Kubernetes | CI/CD | Jenkins |Monitoring | ArgoCD | GitOps | ELK stack.
- Data Structures & Algorithm | Microservices | Distributed Systems | Salesforce | Backend | Operating Systems | Networking | Agile | Problem Solving | System Design | Software Development | Design Patterns | English – *All professional proficiency or above*

Experience

DevOps Engineer   **NTT DATA**   *Noida, India*   **10/2021 - 11/2024**

- Wrote various Python scripts for various applications and dockerize them for client websites and deployed on Azure cloud using CI/CD pipeline Github actions.
- Created end to end Infrastructure with different environments with Terraform in Azure.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Implemented monitoring and alerting by scripting solutions using python using the ELK Stack provided real-time insights into application performance and infrastructure health and decreasing the downtime of services by 20%.
- Designed and implemented automation between various tools through CI/CD pipeline GitHub actions, Integrated various tools for automation between them. Implemented Key Vault on AKS for secure information. Implemented SonarQube and Github Actions for continuous inspection of code quality.
- Implemented Helm chart for AKS and Terraform infrastructure on Azure to automate the various infrastructure tasks.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load testing, unit/integration/e2e testing.
- Migrated Repository and CI/CD pipelines from github to Azure DevOps.
- Developed and implemented enterprise-level microservice applications for client websites **Azure, python, java, SQL, Azure Functions**, **Key Vault, ArgoCD, GitOp, and Docker**, resulting in a 15% improvement in application performance.

Education

Bachelor of Technology   **PSIT COE**   *Kanpur, India*   **07/2019 - 10/2021**

- Computer Science and Engineering

10+2   **Mercy Memorial School**   *Kanpur, India*   **07/2003 - 06/2017**

- Computer Science and Engineering

Projects

- **JENKINS END-TO-END PROJECT:** Implementing the ultimate CICD pipeline using Jenkins. Jenkins Pipeline for Java-based applications using Maven, SonarQube, Argo CD, Helm, and Kubernetes.
- **TERRAFORM WITH AZURE PROJECT:** Implemented and automated terraform architecture on Azure. Deploy a real-time use case with Terraform.

Certifications

- **DSA WITH PYTHON**: Data Structures and Algorithms **(Coding Ninjas)**.
- **SALESFORCE PD1**: Salesforce Platform Developer **(Salesforce)**.

Others

- Organized many hackathons in college.
- Have keen Interest in geopolitical events and like to play cricket