Arfath Khan S

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Education

Aalim Muhammed Salgeh College of Engineering — **Chennai, India**
B.E.(Honours) in Computer Science and Engineering ; **GPA**: 8.3*/10 — **2021 - Present**
Relevant Courses: Cloud Computing, Virtualization, DevOps, Network Security, Cyber Security, Multimedia and Data compression Storage

Skills Summary

Languages: Python, SQL
DevOps Tools: Ansible, Terraform, Docker, Kubernetes, CI/CD , Prometheus, Grafana, Splunk.
Version Control: Git, GitHub.
Cloud Platforms: AWS (EC2, S3, RDS, Lambda, IAM, VPC, ELB, ASG, DynamoDB, CloudWatch, SNS, SQS, CloudFormation, CodePipeline).
System Administration: Linux, OpenVPN, LDAP configuration.

Experience

Trainer — **Jul. 2024 - Present**
Besant Technologies

- AWS and DevOps Trainer with extensive knowledge in cloud computing, infrastructure as code (IaC), and automation tools like Terraform, Ansible, and AWS CloudFormation
- Hands-on training includes real-world projects covering CI/CD pipelines using tools like Jenkins, GitLab CI, and GitHub Actions, along with Docker, Kubernetes, and container orchestration.
- Cloud infrastructure experience includes AWS services such as EC2, S3, RDS, Lambda, IAM, VPC, etc
- Focus on DevOps best practices such as continuous integration, continuous delivery, monitoring, and logging with tools like Prometheus, Grafana, and ELK stack.
- Technologies used-AWS, Ansible, Docker, Splunk, Terraform, Jenkins, Git, GitHub

LDAP — **Freelancer - Remote Nov. 2023 - Dec. 2023**
Aalim Muhammed Salegh College Of Engineering

- Installed LDAP Server: Set up OpenLDAP (or another LDAP server) on the server machine.
- Configured Domain Components (DC): Defined the organizational structure and base DN (e.g. ,dc= ams colleg e,d c=edu).
- Created Organizational Units (OU): Set up OUs for users, groups, and other directory entities.Added User and Group Entries: Populated the directory with user and group entries (via ldapadd or GUI tools)
- Set Up LDAP Authentication: Configured authentication for client systems and services to use LDAP.
- Technologies used-Apache2, php, ldap-utils, Jldap-account-manage

OpenVPN — **Freelancer - Remote**
Asset Intelligence Solution

- SSH into your EC2 instance.
- Install OpenVPN using your package manager (e.g., apt for Ubuntu).
- Configure OpenVPN by editing the configuration files in /etc/openvpn.
- Generate client certificates and keys using the Easy-RSA scripts. •
- Start the OpenVPN service and enable it to start on boot.

Projects

CI/CD

Automated Pipeline

- Jenkins automates CI/CD by pulling code from Git, building it with Maven, and containerizing the application usingDocker
- It triggers the build process on code changes, runs tests, and pushes the Docker image to a registry.
- Finally, it deploys the container to environments like staging or production.
- Technologies used-Jenkins, Maven, Docker, SonarQube, Nexus, Tomcat, Git, Github

Email Notifications

Email Notifications to Monitoring, Alerting, Queuing

- AWS CloudWatch continuously monitors resources and applications, triggering alerts when specific thresholds reached
- When an alarm is activated, AWS SNS sends email notifications to inform stakeholders of critical events.
- AWS SQS queues messages to ensure reliable delivery and processing, preventing data loss during high traffic.
- This integration provides comprehensive monitoring and timely alerts in cloud environments.
- Technologies used-Ec2, Sns, Sqs, Cloud Watch

System Admin

***E*fficiency, Versatility, Support.**

- Installed and configured software to enhance computer lab functionality.
- Provided user training and support for effective software usage.
- Monitored and maintained software to ensure performance and security.
- Technologies used-Java, VirtualBox, XAMPP, Arduino, Jupyter-notebook, ArgoUML, Android Studio