Contact Information

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Manoj Kumar Movva

AWS | DEVOPS ENGINEER

"Automating Software Delivery and Cloud Infrastructure Management"

Technical skills

- Jenkins
- Git | GitHub
- Maven
- SonarQube
- Nexus
- Docker
- Kubernetes
- Terraform
- Ansible
- Lambda
- Python
- AWS EC2
- S3
- ELB
- SNS
- IAM
- RDS
- Auto Scaling
- VPC
- EKS
- CloudWatch
- Linux

Core Competencies

- AWS Services
- DevOps Tools
- Issue Resolution
- Collaboration and Teamwork
- Security and Compliance
- Continuous Learning

PROFESSIONAL SUMMARY

- Experienced AWS & DevOps Engineer with **4 years** of hands-on expertise in optimizing build and release processes using AWS services.
- Strong knowledge of AWS services including **EC2, S3, EBS, ELB, VPC, RDS, Auto Scaling, IAM, SNS, Lambda and CloudWatch**.
- Proficient in **Jenkins for CI/CD**, **Ansible** and **Terraform** for infrastructure-as-code, and **Git/GitHub** for version control.
- Experienced in **Docker and Kubernetes** for containerization & orchestration.
- Hands-on experience with monitoring and visualization tools like **Grafana, Prometheus, and CloudWatch** for effectively tracking system performance, visualizing data, and analyzing logs.
- Familiar with tools like **SonarQube** to check code quality, **Nexus** for managing project artifacts, and Maven for automating builds.
- Skilled in **Python and Groovy scripting**, as well as **YAML** for automation, process enhancement, and workflow optimization. Experienced in streamlining processes to improve efficiency.
- Collaborative team player with experience working with cross-functional teams to deliver high-quality solutions on time and within budget.
- Committed to continuous learning and staying updated with industry trends and best practices.

Work Experience

As an exceptional **AWS DevOps Engineer**, my successful collaboration with **Synactive**, a valued client **since May 2020**, has been instrumental in driving their remarkable success.

Project Experience

Project Name : Liquid UI **Role:** AWS DevOps Engineer

Project Description:

Liquid UI enhances applications with its platform, optimizing efficiency and customization for users involved in warehouse stock data management. With our solution, clients can efficiently oversee and manage stock data, empowering them to streamline warehouse operations seamlessly.

Education

2015 - 2019 | 69 %

B.Tech | Computer Science

Jawaharlal Nehru Technological University Kakinada **(JNTUK)**, Andhra Pradesh, India

Personal Information

DATE OF BIRTH : 18-AUG-1997
GENDER : MALE

Roles & Responsibilities

- Implementing **Jenkins** pipelines for setting up continuous integration and continuous delivery processes.
- Implemented **SonarQube** integration in **Jenkins** for automated code quality analysis and real-time notifications, fostering collaborative teamwork.
- Utilizing **Terraform** to automate **AWS infrastructure**, ensuring efficiency and flexibility with customized modules.
- Utilized **Terraform** to manage **AWS IAM roles and policies**, enforcing granular access controls and compliance requirements.
- Employed **Terraform workspaces** to manage multiple environments like development, staging, and production, ensuring isolation and reproducibility of infrastructure configurations.
- Orchestrated the creation of **AWS VPCs, subnets, and security groups** with reusable Terraform modules, ensuring consistency across environments.
- Deploying cloud applications efficiently using **Ansible**, reducing manual work and streamlining processes.
- **Integrated Ansible** with CI/CD pipelines for automated testing and deployment, reducing manual intervention and human error.
- Configured dynamic inventory management to adapt to scaling infrastructure, maintaining consistent deployments across environments.
- Utilized **Kubernetes Horizontal Pod Autoscaler** for dynamic scaling based on resource utilization, optimizing performance and cost-efficiency.
- Configured **Kubernetes Ingress controllers** for seamless traffic routing and load balancing, ensuring high availability and reliability.
- Implemented automated **rolling updates and rollbacks** with **Kubernetes** Deployment objects, minimizing downtime during application upgrades.
- Leveraged **Docker Compose** for local development environments, streamlining the transition from development to production deployments.
- Leveraged **Docker** for precise orchestration of **images, containers, and volumes**, optimizing deployment processes for enhanced efficiency and scalability within AWS-based DevOps workflows.
- Implemented **Docker volumes** and bind mounts for persistent data storage, enabling stateful applications to maintain data integrity across container restarts.
- Integrated **Maven** with Jenkins CI pipelines for automated build, test, and deployment workflows, enhancing development agility.
- Proficiently handled **GIT** operations such as creating repositories, branches, and tags, while assisting developers in resolving merging issues.
- Implemented **EC2 autoscaling** and monitored AWS infrastructure using **CloudWatch** for optimal performance and availability.
- Implemented **monitoring** with **Prometheus and Grafana** to uphold application reliability and performance standards, and operation in dynamic environments.
- Developed **Python**-based **AWS Lambda** functions with **boto3** for business logic and data processing, incorporating email and Slack triggers.
- Utilized **Python scripts**, including Lambda functions, to automate routine tasks and processes, resulting in significant time savings and increased efficiency.
- Implemented **shell scripting** to automate routine tasks, enhancing operational efficiency and reducing manual intervention.
- Optimized **Linux** system performance by tuning **kernel** parameters and monitoring resource usage with tools like top and sar.
- Utilized **package managers** like apt and yum for seamless software installation and updates, ensuring system stability and security compliance.