MUHAMMAD ALI AHMED

DEVOPS ENGINEER

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in muhammad-ali-ahmed-devops

WORK EXPERIENCE

DevOps Engineer | Beyond Eris Solutions

Aug 2023 - Present

- Leveraged AWS services (EC2, S3, RDS, Elastic Beanstalk, etc.) to deploy and scale applications, improving uptime by 98% and reducing hosting costs by 25% through optimized resource allocation.
- Reduced application deployment time by 40% through streamlined CI/CD pipelines, accelerating release cycles and reducing human error.
- Achieved a 30% reduction in manual configuration by automating infrastructure setup with Ansible and Bash scripts, ensuring consistent and repeatable environments.
- Reduced setup time by 4 to 5 hours per environment for HRMS, CRM, and other projects to ensure rapid provisioning, seamless deployments, and minimized downtime.
- Deployed monitoring and alerting solutions that resulted in a 70% reduction in critical incidents, maintaining high service availability and proactive system maintenance.

Junior DevOps Engineer | Beyond Eris Solutions

May 2023 - Aug 2023

- Acquired hands-on experience in managing Debian and RPM-based systems, contributing to optimized server performance and security.
- Developed a strong understanding of PaaS, IaaS, and SaaS models, providing informed recommendations for scalable solutions.
- Gained foundational knowledge in DevOps principles and CI/CD processes, supporting faster deployment cycles and streamlined project delivery.
- Improved problem-solving skills through hands-on troubleshooting and collaborative projects, contributing to team success and solution delivery.
- Gained practical experience in SQL database management, ensuring data integrity and supporting development workflows.

SKILLS

- Linux
- Networking
- Cloud Computing
- Containerization
- Virtualization
- Configuration Management
- Infrastructure as Code
- Automation and scripting
- Continuous Integration
- Continuous Delivery
- Test Integrations
- Security & Access management
- Monitoring and Logging
- Debugging

TOOLS

- Ubuntu
- CentOS
- AWS
- Digital Ocean
- Bash
- Python
- Git
- GitHub
- Bit Bucket
- Docker
- Docker Compose
- Jenkins
- GitHub Actions
- Bit-bucket Pipelines
- Ansible
- Vagrant
- Prometheus
- Grafana

FEATURED PROJECTS

NYNX

- Worked on "NYNX," a freelancing platform.
- Built and deployed a micro-services based platform (frontend, backend, admin, PostgreSQL).
- Automated CI/CD pipelines for seamless builds and deployments.
- Used AWS EC2 for deployments and S3 for data storage.
- Containerized applications with Docker for consistency and portability.

Java Profile Application

- Deployed a micro-services based Java Application on AWS Elastic Beanstalk.
- Used Jenkins as a CI/CD server to build application and stored its artifacts on Nexus repository.
- Implemented Elastic Cache for faster DB query results.
- Used Amazon RDS as a database service for Java app.
- Implemented Amazon MQ as a queuing service between micro-services.
- Installed Application load balancer using AWS Elastic Load Balancers
- Used Auto-scaling Groups for horizontal scaling.
- Used Route 53 for DNS management for site's Domain

HRMS

- Managed a microservices-based HRMS with Redis for caching and Celery for task queues.
- Implemented CI/CD pipelines using Bitbucket Pipelines for streamlined development workflows.
- Deployed services on AWS EC2 with S3 for data storage.
- Containerized applications with Docker for consistent environments.

CERTIFICATIONS

AWS
Certified Solutions Architect Associate

IBM
Introduction to Software Engineering

IBM
Introduction to DevOps

Google Cloud Training
Introduction to Docker

IBM
Continuous Integration and Continuous Delivery (CI/CD)

University of Michigan
Python for Everybody