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NAVEED AHMED

Employment

[Since 1st Sept 2022]

Lead DevOps Engineer (DigitalOcean)

[DigitalOcean](#)

Leadership and Project Management:

- Implement and Optimize CI/CD Pipelines: Spearheaded the implementation and optimization of robust Continuous Integration and Deployment pipelines, reducing deployment times and enhancing overall efficiency.
- Ensure Tool Availability: Ensured continuous availability of critical tools supporting SCM and Release Management, covering Source Control, Continuous Integration, and Change Management.
- Production Release Planning and Implementation: Led the development and execution of detailed Production Release Implementation Plans, overseeing the deployment of code and performing proactive maintenance activities to ensure optimal service uptime.

Technical Expertise and Troubleshooting:

- Full-Stack Code Analysis: Proficiently supported, troubleshooted, and analyzed code across all three layers of the stack—infrastructure, middleware, and CI/CD frameworks—ensuring the stability and reliability of the entire application environment.
- Kubernetes Cluster Management: Managed and optimized Kubernetes clusters, implementing best practices for orchestration, scalability, and resource utilization.
- AWS Serverless/ECS fargate CI/CD: Implemented an automated CI/CD pipeline using AWS Serverless and ECS Fargate, reducing deployment times by 50%, enhancing scalability and reliability, and enabling zero-downtime updates

Team Collaboration and Mentorship:

- Mentorship and Team Development: Mentored junior team members, fostering their professional growth and development in DevOps best practices.
- Cross-Team Collaboration: Collaborated seamlessly across team boundaries, sharing common capabilities and promoting a culture of knowledge exchange within the organization.

Recruitment and Onboarding:

- Onboarding Expertise: Facilitated the onboarding of new team members, ensuring a smooth integration into the DevOps workflow and processes.

Continuous Improvement and Learning:

Continuous Learning: Stayed abreast of industry trends and emerging technologies, incorporating relevant advancements into DevOps practices to ensure a forward-looking and innovative approach.

[1st January 2022 - August 30, 2022]

Lead DevOps Engineer (Cloudways)

[Gaditek, Disrupt.com](#)

- Implement and support Continuous Integration and Deployment Pipelines.
- Ensure continuous availability of various tools supporting SCM & Release Management including Source Control, Continuous Integration, & Change Management.
- Support, troubleshoot, and analyze code on all 3 layers of the stack related to infrastructure, middleware, and continuous integration and delivery frameworks.
- Responsible for deploying code and other proactive maintenance activities to keep the services up and running
- Production Release Implementation Plan and Install Support
- Mentor junior members of the team
- Work collaboratively across team boundaries to share common capabilities
- Onboarding new team members
- Conducting interviews for the DevOps Team.
- Managing Kubernetes clusters

[1st January 2017 - December 2021]

DevOps Engineer (Cloudways)

[Gaditek, Disrupt.com](#)

- Explore and implement the latest tools and technology suited to implement CI/CD within the Organization
- Manage client servers and automate their deployment via Ansible and aws lambda serverless
- Builds automated deployments using Ansible configuration management.
- Deploying, automating, maintaining, and managing AWS cloud-based production system, to ensure the availability, performance, scalability, and security of production systems.
- Pre-production Acceptance Testing to help assure the quality of our products/services.
- Validate deployments. Implementing and maintaining scalable monitoring and alerting systems. Responsible for monitoring different cron jobs that are running and acting on them in case of failure. Accountable for identifying critical services and setup monitoring for them

(and fixing the issues), whenever a new design is implemented.

- Network performance monitoring and troubleshooting the issues related to networks.
- Provide Systems Engineering and DevOps support to the Software Engineering and IT operations team. System troubleshooting and problem-solving across platform and application domains.
- Suggesting architecture improvements, recommending process improvements.
- Diagnose application failures in staging and production environments, understand the underlying issues, and resolve them.
- NMS (nagios, check_mk, sensu, graphite, whisper, grafana,new relic, prometheus)
- Writing automation scripts in Python, bash, and ruby
- Handle as-needed support requests for infrastructure issues (disk full, network connectivity, failed daemons, etc.) Document procedures and modifications to environments.
- Experience with container Orchestration technologies like Docker Swarm, Kubernetes
- AWS lambda, API gateway for serverless applications
- A desire to help people and a strong sense of empathy for their needs.

[July 2016 - Dec 2016]

[Gaditek, Disrupt.com](#)

[Company](#)

System Admin - Linux

- Monitoring KillPing.com Network Infrastructure using Custom designed tools
- Managing day-to-day Operations for KillPing.com Infrastructure
- Implementing Firewall for internal Network Infrastructure
- Automation, Configuration Management using Ansible
- Automatic Deployment using bash and perl scripts
- Troubleshooting & RCA
- R & D for Next Level and Better infrastructure planning.
- Cloud Platform Google, AWS, OVH, Digital Ocean, Softlayer, Rackspace, Vultr

[May, 2016 - July 2016]

[NexDegree](#), Karachi, Pakistan

Infrastructure Engineer

- AWS Services - CodeCommit, CodeDeploy, CodePipeline, SES, EC2, S3, CloudFront, CloudFormation, CloudWatch, Auto scaling, Elastic Load Balancer, VPC, RDS, Redshift, IAM, ElasticCache, Route 53, SNS
- IPS/IDS sshguard, fail2ban
- Centralized Log management and analysis
- Exim, SES, Postfix Configuration, VPN site-to-site configuration
- Monitoring using Cacti, Nagios, New Relic, LogicMonitor, Icinga, Open Distribution Monitoring

[June 1st, 2015 - April 2016]
Pakistan

[PredictifyMe](#), Karachi,

AWS Engineer

- Writing Shell Scripts, Ansible Playbooks & Roles to automate the Project Deployment
- Understand Technology, Products and Test Requirements to recommend solutions to meet their needs
- System Engineering, Python, Ansible, Nginx , CentOS, Ubuntu, Red Hat,
- Load and stress testing using Apache Jmeter, Apache Benchmark
- AWS Services EC2, S3, Auto scaling, Load Balancers
- Designing and Implementing Cloud Patterns
- Backup & Recovery Pattern Designing
- Virtualization (VMware, VBOX, Vagrant)
- Designing and implementation of Highly Available and Fault Tolerant applications on AWS
- Monitor system operation to detect potential problems.
- Provide advice on project costs, design concepts, or design changes.
- Migrating complex, multi-tier applications on AWS
- Firewall Implementation and OpenVPN configuration

PROJECTS

- Migrating Complex web application from Rackspace to AWS
- Migration of Huge Production Database from Dedicated server to AWS RDS using AWS Database Migration Service (DMS) with zero down time
- Designed and Implemented Highly Available Fault Tolerant infrastructure for [Mobivisits](#) over AWS
- Designed and Implemented Infrastructure for [eQuiz](#)

EDUCATION

[January 2009 - August 2013]

University of Sindh, Jamshoro, Pakistan

Bachelor's of Computer Science

PROFESSIONAL CERTIFICATION

AWS Certified Solutions Architect - Associate [[License V2MQH54CKJR11FK6](#)] | **AWS Sysops Administrator - Associate** [License: 9B1VXPH1JE14133L] | **RHCSA** [Certification no : 150-207-785, URL: [Certificate Verification](#)]

TOOLS & SKILLS

Amazon Web Services, Ansible, Vagrant, VMWare, Linux Server, MySQL, AWS EC2, AWS VPC, AWS

Cloudformation, AWS Lambda, AWS ECS, AWS API GATEWAY, Amazon Elastic Load Balancing, Auto Scaling, Amazon Route 53, Amazon Cloudfront, Amazon S3, AWS RDS, AWS CloudWatch, Kubernetes, Terraform