# Anitha Nallam DevOps Engineer

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# Professional Summary:

* AWS DevOps engineer with around **7 years** of experience in the areas of **AWS**, **DevOps** and **Linux** and Windows Administration.
* Experience in managing applications using AWS which includes services like: **EC2**, **IAM**, **S3**, **EBS**, **VPC**, **ELB**, **Route53**, **ECS**, **EKS**, **RDS**, and Auto scaling.
* Strong experience in Provisioning Infrastructure using IAC tools **Terraform** and AWS **CloudFormation**.
* Expertise in configuration management using **Ansible**, **Chef** & **Jenkins**.
* Experience in Containerization and **Container orchestration** using **Docker** and **Kubernetes**.
* Experience in using version control tools **GitHub**, **GitLab**, and **Bitbucket**.
* Experienced in working with IT infrastructure and APM monitoring tools like **CloudWatch**, **New Relic**, **Datadog**, **Promethus**, and **Grafana**.
* Working experience in MSSQL, MySQL, Oracle & AWS RDS, **DynamoDB**.
* Proficient in automating environment builds, administration and deployment operations using standard scripting utilities like **Python**, **PowerShell** and **Bash**.
* Good Exposure to Linux and Windows operating systems.
* Experienced in using WebLogic, WebSphere, Tomcat, JBoss, Apache, JIRA and IIS web servers.
* Efficient in working closely with core product teams to ensure high quality and timely delivery of builds.

# Technical Skills:

**Cloud Technology**: AWS, EC2, VPC, IAM, S3, EFS, FSx, ELB, Route53, ECS, EKS, RDS, Cloudfront, Transfer Family, MGN, SQS, SNS, Systems Manager, Guardduty

**Version Control Systems**: GitHub, GitLab, Bitbucket **Infrastructure as code**: Terraform, CloudFormation **Containerization:** Docker, Kubernetes, Bitbucket

**CI/CD tools**: Jenkins, GitLab, AWS Code build, AWS Code deploy, Gradle

**Configuration management tools**: Ansible, Chef.

**Monitoring Tools**: Cloudwatch, NewRelic, Datadog, Promethus, and Grafana

**DBMS:** MSSQL, MySQL, Oracle & AWS RDS, DynamoDB

**Scripting Languages:** Python, PowerShell, Bash

**Other DevOps tools**: JFrog, SonarQube

**OS:** Linux, Windows, UNIX

**Web Servers**: WebLogic, WebSphere, Tomcat, JBoss, Apache, JIRA, IIS

# Work Experience:

1. **Eleven | Irving TX July 2021 – Present**

# Role: AWS DevOps Engineer

* + Designed, Configured and deployed Amazon Web services (AWS) on high availability, fault tolerance and auto scaling.
  + Configure, monitor and automate AWS as well as involved in deploying the content cloud platform on AWS using EC2, S3 and EBS.
  + Worked on AWS EC2 Instances creation, setting up VPC, launching EC2 instances and worked on Cloud Watch for providing high availability of applications and EC2 instances based on the load of applications.
  + Created customized AWS Identity and Access management (IAM) policies for various resources to have required accessibility to required resources.
  + Configured AWS IAM and Security Group in Public and Private Subnets in VPC and also created AWS Route53 to route traffic between different regions.
  + Configured Elastic Load Balancers (ELB) with EC2 Autoscaling groups. Created monitors, alarms and notifications for EC2 hosts using CloudWatch.
  + Configured, Deployed and Managed ECS and EKS clusters using Terraform and CloudFormation
  + Involved in source control management with GitHub and GitLab enterprise level repositories.
  + Provisioned infrastructure and application performance monitoring using tools like tools like Cloudwatch, New Relic, Datadog, Prometheus, and Grafana etc.
  + Worked on AWS CloudWatch, CloudFormation and Cloudfront to set up and manage cached content delivery.
  + Worked with the configuration and installation of Docker environment including Docker registry hub for managing different Docker images and deployment of applications inside the software containers.
  + Orchestrated complex application deployments quickly and predictably by using Kubernetes.
  + Used Python scripts to automate the Build and deployment process to deploying the web services.
  + Used Ansible for configuring and managing multi-node configuration management over PowerShell.
  + Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) Using IAC tool Terraform and CloudFormation.
  + Created automation and deployment templates for relational and databases including MSSQL, MySQL, and Oracle & AWS RDS, DynamoDB.
  + Designed and Implemented CI & CD Pipelines achieving the end-to-end automation from code checking to artifacts deployment.
  + Created scripts to automate the build process for the new projects and integrated them with third party tools like, SonarQube and Frog.
  + Installing & configuring Oracle, Apache Web Server, Tomcat, WebSphere Application Servers, WebLogic server.
  + Hands-on on Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks quickly deploy environment config files.
  + Created Shell scripts (Bash), Python and PowerShell for automating environment builds and operations.

**Environment:** AWS, EC2, VPC, Route53, S3, ELB, RDS, SQS, SNS, IAM, Jenkins, Chef, Linux, Python, PowerShell, Bash, JFrog, SonarQube, Ansible, JIRA, Docker, GitHub, GitLab, Gradle, WebLogic, Puppet, Web sphere, Apache, Tomcat, Terraform, Cloudwatch, JBoss and MySQL.

**ServiceNow | Atlanta, GA Aug 2020 – July 2021**

# Role: AWS DevOps Engineer

* + Contribute to the design and implementation of Continuous integration and delivery processes and systems for highly available and performant application stacks.
  + Responsible for implementing monitoring solutions using different monitoring tools.
  + Involved in Amazon Web services provisioning and AWS administrations like EC2, ELB, S3, Cloudfront, ECS, Route 53, RDS and IAM.
  + Worked on architecting and building solutions leveraging DevOps tools such as, Git, Bitbucket etc.
  + Developing CI/CD system with Jenkins on Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build, test and deploy.
  + Made extensive use of Chef, Bitbucket, SonarQube, JFrog, Artifactory, GitHub, Jenkins and Ansible to manage build/deploy tasks, including Continues Integration.
  + Developed Cloud formation templates and Ansible playbooks to spin up the instances and provision packages on AWS EC2 instances.
  + Performed system monitoring using CloudWatch and Datadog in AWS cloud.
  + Used RDS DBA on Oracle, MySQL and DynamoDB.
  + Developed and maintained Python/Power shell scripts for build and release tasks and automating tasks.
  + Administered Linux servers for several functions including managing Apache/Tomcat server and MySQL databases in both development and production.
  + Configuring web server plug-ins for JBoss application server and setting up the cluster environment WebLogic server integrated with multiple workflows.
  + Maintained JIRA for tracking and updating project defects and tasks.
  + Set up the Linux Cron jobs for automating various build related jobs and application data synchronization jobs.
  + Work closely with product support, implementation and product engineering team and assist them in resolving software and application related issues.

**Environment:** AWS, EC2, ELB, S3, Cloudfront, ECS, Route 53, RDS, CloudFormation, IAM, Linux, MySQL, Jenkins, GitHub, Ansible, Bitbucket, Docker, PowerShell, Ansible, CloudWatch, Grafana, Tomcat, Terraform, SonarQube, Python, JBoss, WebLogic, JIRA.

**Verizon June 2019 – Dec 2019**

# Role: AWS DevOps Engineer

* + Worked closely with product support, implementation and product engineering team and assist them in resolving software and application related issues.
  + Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools.
  + Used AWS CloudFormation for server provisioning.
  + Leveraged Docker Engine to run multiple Tomcat instances as containerized App Servers.
  + Installed Jenkins on a Linux machine and created a master and slave configuration for implementation of multiple parallel builds.
  + Used AWS CloudWatch to monitor environment for operational and performance metrics during load testing with the help of auto scaling.
  + Wrote and managed several Bash Shell and Python scripts to automate several releases.
  + Used SonarQube dashboard to review the code changes and the reviewer would comment or make changes.
  + Worked on Maven to create articrafts from source code and place them in JFrog for internal deployments.
  + Coordinate and provide significant input to project planning and application design.
  + Worked with JIRA for creating Projects, assigning permissions to users and groups for the projects & Created Mail handlers and notification Schemes for JIRA.
  + Involved with the development teams to support simultaneous software releases. Worked with installation, deployment & maintenance of middleware application servers in Dev., Test environments.

**Environment:** AWS, CloudWatch, Linux GitHub, Jenkins, Docker, Tomcat, SonarQube, Bash, JFrog, JIRA.

**Amazon Development Center April 2018 – June 2019**

# Role: Automation Analyst

* + Maintained strong customer service by performing duties to achieve 100% accuracy and productivity.
  + Automating manual efforts of data mapping which saved almost 95% of the time by using Regex and Xpath with Linux Operating system for scripting.
  + Following SOPs as prescribed and provided inputs to improve the process at automation scripting level.
  + Assisted in the development and roll out of training programs and materials that will assist the team and stakeholders in better utilizing enhanced SOP.
  + Performed qualitative and quantitative analyses to ensure data accuracy and credibility, as well as to create ad- hoc reports.
  + By executing SQL queries, extracting data from various data sources and pipelines using Amazon BI Metadata.
  + Developed and reviewed SQL queries with use of joins clauses (inner, left, right) in Tableau.
  + Collected, Cleansed, and provided modelling and analysis of structured and unstructured data used for business processes implementation.
  + Handled large and complex sets XML, JSON and csv files from various sources and databases.
  + Involved with Data Analysis primarily Identifying Data Sets, Source Data, Source Metadata, Data Definitions, and Data Formats.
  + Experience in Extract, Transform & Load ETL development using SQL Server Integration Services (SSIS), creating Jobs, Alerts and SSIS Packages.
  + Hold conceptual information on data warehousing concepts includes Data-Modelling, Data Warehousing, Schemas, Data Marts, ETL, Star Schema and Snowflake Schema.
  + Good knowledge in development of Conceptual, Logical and Physical Models for Online Transaction Processing OLTP and Online Analytical Processing OLAP.
  + Having Perfect Understanding in Normalization (1NF/2NF/3NF)/De-normalization techniques in relational/dimensional database environments.
  + Monitoring team productivity and Quality reports on weekly and monthly basis.
  + Identified and implemented the technique in process, which was approved by stakeholder that helped in output efficiency increased by 52%.
  + Performed duties as a Marketplace owner, working with manual mapping team to ensure upstream planning for the efficient delivery of automated testing code.
  + Published interactive data visualizations, dashboards, reports from Tableau Desktop to Tableau servers.
  + Creating and working on management dashboards and reporting templates which helps in effective decision making for the Leadership team.
  + Trained people on enhanced SOP for the QA team and members joined in my team.
  + Awarded “Above and Beyond” for raising the bar at metrics level and showcasing training skills.

**Stackave Solutions April 2016 – April 2018**

# Role: System Admin

* + Deployed, Configured and Administered Linux and Windows Servers.
  + Installed and updated Packages in Linux and patch and packages in Linux and Windows Servers.
  + Deployed Servers and Web Applications.
  + Performed Vulnerability Management and remediation
  + Troubleshoot User issues & Application issues.
  + User & Group Level Administration.
  + Installation, configuration and maintenance Samba server, FTP servers, SSH servers, NFS, NIS and Squid servers on Sun Solaris, and Linux platforms.
  + Responsible for complete user management, creating, renewing and deactivating accounts.
  + Securing Linux system by updating firewalls and enable only required services.
  + Responsible for troubleshooting of network related issues.
  + Configuring LAMP stack and resolved connectivity issues.
  + Decommissioning servers following corporate procedures, ensuring data destruction.
  + Experience in working with JIRA ticketing system.
  + Keeping track of system inventory and deleting data from servers.
  + Responsible for Package management by installing upgrading the required packages.
  + Worked with Amazon Web services for cloud computing evaluation.

# Education:

**The university of Texas at Dallas,** Masters in Information Technology and Masters, Dallas, Tx.

**Sri Padmavati Mahila Visvavidyalayam,** Bachelor’s in Electrical and Electronics Engineering, Tirupati, India.