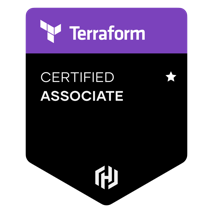
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**ANURADHA PAHALAJANI**

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SUMMARY:

A Techno-Functional lead with 10+ years of IT experience, with specialization as a Systems/Devops engineer. Leveraging comprehensive expertise in DevOps methodologies, I excel in orchestrating, optimizing, and securing CI/CD pipelines to bolster software delivery and infrastructure management. My proficiency spans a wide array of tools and practices, ensuring agile, reliable, and scalable solutions.

* Over 10+ years of IT Industry experience as a DevOps Engineer, with Configuration Management, Build, Release Management and Quality Assurance using CVS, Subversion, GIT, Mercurial & Clear Quest on UNIX and Windows environment.
* Knowledge of puppet as a Configuration Management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively manage change.
* Administrating production servers/network infrastructure that includes Windows Administration of Domain Controllers, IIS Web Servers HTTP/S, FTP and SMTP, Exchange 2016/2019 Mail Servers, NAS, File and print Servers, RADIUS
* Extensive experience in SCM, Build/Release Management, Change/Incident Management, VMware, and AWS Cloud computing.
* Domain Experience in Health care, Manufacturing, Automotive, and BFSI domains.
* Written Chef cookbooks and recipes to Provision Several pre-production environments consisting of Apache domain creations and several proprietary middleware installations.
* Good understanding of SDLC with expertise on software Build/Release, Configuration management.
* Experienced in build and release automation of Siebel applications, OBIEE, Oracle Policy Automation, Liferay Portal, HP ALM, Web Logic & Java-based applications.
* Experience with Red Hat Enterprise Linux 7.0/7.1/7.8/7.9/8.3, Windows 2012/2016/2019/2022. VMWare vSphere, ESXi 5.0/6.0/6.5/7.0/7.0b/7.0/7.2, UNIX.
* Experience with Centrify, Familiar with Microsoft Active Directory and Group Policy Management, VMWare vSphere (e.g., ESXi, vCenter) administration and support, UNIX/Linux Systems Administration, Storage Experience with Net App, Cloud computing service provisioning (e.g., Amazon Web Service, Azure, etc.).
* Experience in Package Management using Red Hat RPM/YUM and Red Hat Satellite server and Linux.
* Experience in managing AWS cloud resources, including EC2 instances, S3 buckets, VPCs, ELBs, RDS, and implemented Terraform modules for deployment across multiple cloud providers.
* Experience in administration CI tools like Jenkins, TeamCity, Bamboo, and ALM tools like Anthill Pro and TFS, including setting up and managing Puppet and Chef for configuration management.
* Expertise in integrating Dynatrace extension 2.0 with RESTful APIs to extract and analyze performance metrics.
* Proficiency in containerization technologies such as Docker and Kubernetes, and adept at integrating containerized applications into CI/CD pipelines for efficient deployment and scaling.
* Experience in automation, configuration and deployment on Cloud environments, Identifying and Selecting services in AWS Cloud Infrastructure such as IAAS, PAAS and SAAS.
* Proficiency in leveraging Azure DevOps services such as Azure Pipelines, Azure Repos, Azure Artifacts, and Azure Boards for end-to-end DevOps automation and collaboration.
* Experienced in Automating, Configuring and deploying instances on AWS, Azure and Rackspace cloud environments and Data canters, also familiar with EC2, Cloud watch, Elastic Search and managing security groups on AWS.
* Proficiency in version control tools such as Subversion (SVN), Git, GitHub, and Bitbucket. Employed build utilities like Maven, ANT, and Gradle for building .jar, .war, and .ear files. Setup Azure Migrate and Azure Site Recovery servers using OVF templates on On-premise vCenter hosts.
* Expertise in implementation multi-tier application provisioning in AWS, OpenStack, and integrated them with Chef/Puppet. Provided guidance and support to development teams on Dockerizing Java applications and managing containerized deployments.
* Experienced in setting up Continuous Integration and Continuous Deployment for Siebel application, OBIEE, Web Logic & Java applications.
* Experienced in working on version control systems like Subversion and GIT and used Source code management client tools like Tortoise SVN, Stash, SourceTree, Git Bash, GitHub, Git GUI, and other command-line applications, etc.
* Worked on OSI Model, TCP/IP protocol suite (IP, ARP, TCP, UDP, SMTP, FTP, and TFTP).
* Good exposure in administering version control systems to create daily backups and checkpoint files.

# SKILLS:

Languages: Terraform, Powershell, Python, Bash, SQL, R

OS: Windows migration, Active Directory and Administration, Linux RHCE Administration

Tools: Docker/ECS, Kubernetes Clusters, Terraform, Azure Devops, VScode, Postman, Git, confluence, Jira

Cloud platforms: AWS, Microsoft Azure, Vmware – On prem/Virtualization

Logging & Monitoring: Splunk, NewRelic, Cloudstrike, Cloudwatch

Software Frameworks: Asp.Net core, Flask, node.js

EXPERIENCE:

**Convergeone -** Chicago, ILDec 2022 – Present

# Senior Devops Engineer

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* Collaborated with stakeholders to refactor leading EHR software to microservices using AWS Lambda, API Gateway, DynamoDB, ECS containers, S3 and SNS resulting in 45% performance increase with seamless data exchange & 30% cost reduction.
* Implemented Terraform for AWS infrastructure automation, achieving consistent environments, and reduce setup time by 60%. Ensured robust logging with cloud watch and ensured HIPAA compliance through security best practices.
* Automation of AWS Kubernetes cluster deployment, using scripts to deploy build agents for Javascript application, and using ADO to trigger its pipeline and dependencies, reducing the deployment time by 60%
* Led and directed Development and QA teams on an HL7 integration project, eventually deprecating legacy application with unified front and backend APIs using Hybrid infra (on-prem & AWS ECS) to optimize cost and improve scalability & deployment timeline.
* Implemented security best practices in AWS including multi-factor authentication, access key rotation, strong IAM policies, configured security groups and NACLs, S3 bucket policies and ACLs.
* led the integration of CrowdStrike Falcon, enhancing endpoint security and performance across our on-prem and cloud systems, which significantly reduced vulnerabilities and security incidents, bolstering our cybersecurity defenses and operational efficiency.
* Performed migration of local server infrastructure into AWS, including their test and development environments. Migrated the entire social media. Com infrastructure from amazon web services to Rackspace cloud.
* Developed Chef recipes to configure, deploy and maintain software components of the existing infrastructure.
* Designed the application layer of the product with EC2, RDS, and elastic cache, and configuring AWS cloud watch for application monitoring.
* Executed DevOps tools Maven, Ant, Chef, Ansible, Docker, Kubernetes, and Nexus
* Automated java applications using Jenkins continuous integration and continuous delivery (CI and CD), automated build and releases for their LMS platform.
* Utilized CDK to develop and deploy infrastructure as code, streamlining cloud resource management and enhancing deployment speed.
* Implemented CI/CD pipelines with CDK, integrating AWS services to automate testing and deployment processes.
* Designed scalable architectures using CDK constructs, optimizing performance and cost in AWS environments.
* Automated infrastructure provisioning with CDK, reducing manual intervention and minimizing errors during deployments.
* Designed and implemented scalable, secure, and highly available infrastructure on Google Cloud Platform (GCP), leveraging services such as Google Kubernetes Engine (GKE), Compute Engine, and Cloud Storage.
* Automated deployment pipelines using CI/CD tools like Jenkins and GitLab CI, integrating with GCP services to streamline development workflows and reduce time-to-market.
* Developed and maintained infrastructure as code (IaC) using Terraform and Google Cloud Deployment Manager, ensuring consistent and repeatable deployments across environments.
* Deployed and managed containerized applications on Google Kubernetes Engine (GKE), ensuring high availability and scalability of services.
* Configured and optimized Kubernetes clusters on GKE, including node pools, scaling policies, and network settings to meet application requirements.
* Implemented CI/CD pipelines using tools such as Jenkins, GitLab CI, or GitHub Actions to automate deployments and manage application lifecycle on GKE.
* Developed and managed infrastructure as code using Terraform, automating the provisioning and configuration of cloud resources across multiple environments.
* Designed and implemented RESTful APIs using AWS API Gateway, improving application scalability and user experience.
* Developed serverless backend solutions with AWS Lambda, enabling efficient data processing and reducing operational costs.
* Configured security measures through AWS IAM and API keys, ensuring secure access to APIs and compliance with best practices.
* Automated infrastructure deployment using AWS CloudFormation and CI/CD pipelines, significantly accelerating release cycles.
* Designed and implemented modular Terraform configurations, enhancing scalability and reusability for infrastructure components.
* Integrated Terraform with CI/CD pipelines, streamlining the deployment process and improving overall workflow efficiency.
* Customized and debugged Helm Charts to suit specific application requirements, including configuration, dependencies, secrets and managed releases.
* Configured various jobs in Jenkins and Hudson for the deployment of java-based applications and running test suites.
* Designed and deployed complex infrastructure setups using Terraform, including virtual networks, servers, load balancers, and databases.
* Installed and configured virtual IT infrastructure using VMware ESXi 4. 0, ESXi 5. 0 and vSphere vSphere Vcenter 4. 1 and 5. 0 for management of VMware environments.
* Configured Vmotion, VMware ha (high availability), VMware DRS (distributed resource scheduler) and VMware ft (fault tolerance) services.

**Environment:** Web/Application Servers: Tomcat, HTTP Server, WebLogic. Bug Reporting Tools: SDM-12, Bugzilla, JIRA, Confluence, Rational Clear Quest, Chef, Puppet, OpenStack, AWS, Ansible, Docker, and Vagrant.

## Prime TSR *-* Chicago, IL Aug 2018 – Nov 2022

**Azure DevOps Engineer**

* Automated provisioning of web servers & SQL servers using Desired state configuration (DSC) module on Powershell with required runtimes and dependencies. Deployed Vmware resources pools in Azure Deployment groups for integration with Azure, this reduced provisioning time by 60%.
* Streamlined automated application code deployment for .Net based application and various microservices on AWS, by implementing Azure DevOps CI/CD pipelines, resulting in a 40% improvement in deployment efficiency and a significant boost in system scalability.
* Leveraged Splunk for real-time monitoring and analysis of network and system performance across multiple servers, set up alerts and created dashboards to monitor application specific metrics, leading to a 30% reduction in incident response times and improved system uptime.
* Worked cross-functionally with different teams to transition from waterfall to a new scalable agile framework for a team of 10 engineers with the goal to optimize product release & enhancements, which increased the lead time by ~60%.
* Automated Dynatrace configuration and monitoring setup using Python scripts and Dynatrace RESTful API endpoints. Utilized Dynatrace extension 2.0 to monitor and optimize cloud infrastructure performance in AWS and Azure environments.
* Implemented Docker containers in Azure DevOps pipelines for packaging and deploying microservices applications.
* Configured GitHub Enterprise security settings, including branch protections, required reviews, and automated security checks to enforce secure coding practices. Configured Azure Kubernetes Service (AKS) clusters and managed container orchestration using Kubernetes.
* Implemented Jenkins pipelines for continuous integration and delivery of Java applications. Make sure version control and collaboration using Git across frontend and backend development teams. Conducted SQL database migrations and upgrades. Managed Docker containers and images for deploying and scaling Java microservices.
* Automated routine tasks and deployments using PowerShell scripting for increased efficiency. Initiated Java microservices on Azure Kubernetes Service (AKS) for scalable deployments. Integrated IaC practices into CI/CD pipelines for continuous deployment and infrastructure updates.
* Utilized Azure Devops Boards for agile project management and sprint planning. Designed disaster recovery strategies and backup processes for business continuity. Ansible provides modules for managing various components such as packages, files, services, users, and more.
* Managed Jenkins nodes and distributed builds for scalable CI/CD environments. Utilized Docker Compose for defining and managing multi-container Java applications. Managed Git repositories on GitHub for version control of software projects.
* Integrated GitHub Enterprise with CI/CD pipelines using tools like Jenkins, Azure Pipelines, or GitLab CI/CD for automated builds, tests, and deployments. Developed Docker files and Docker Compose configurations for building and managing container images locally and in CI/CD pipelines.
* Monitored API performance with AWS CloudWatch, diagnosing issues and optimizing response times for enhanced user satisfaction.
* Collaborated with product teams to gather requirements and define API specifications, ensuring alignment with business goals.
* Created and maintained API documentation using Swagger/OpenAPI, streamlining developer onboarding and integration.
* Provided troubleshooting support for API-related issues, improving system reliability and maintaining high availability.
* Enhanced monitoring and logging capabilities through CDK, integrating AWS CloudWatch to improve incident response times.
* Collaborated with cross-functional teams to establish best practices for using CDK, fostering a shared understanding of infrastructure as code.
* Conducted training sessions on CDK for team members, promoting adoption and efficient usage of AWS resources.
* Monitored and optimized application performance and resource utilization through GCP monitoring tools, including Stackdriver, Cloud Logging, and Cloud Trace.
* Implemented security best practices by managing IAM roles and policies, conducting regular security audits, and ensuring compliance with industry standards and regulations.
* Facilitated seamless application scaling and load balancing using Google Cloud Load Balancing and autoscaling features, improving overall application reliability and performance.
* Collaborated with development teams to troubleshoot and resolve infrastructure-related issues, providing support for application deployment and system integration.
* Implemented security best practices for GKE, such as managing RBAC, setting up network policies, and integrating with Google Cloud IAM for access control.
* Automated GKE cluster provisioning and configuration using Infrastructure as Code (IaC) tools like Terraform or Google Cloud Deployment Manager.
* Collaborated with development teams to troubleshoot and resolve application issues in GKE, improving deployment reliability and application performance.
* Provided training and support to team members on Kubernetes and GKE best practices, fostering a collaborative and knowledgeable development environment.
* Developed and maintained documentation for Terraform infrastructure code and deployment processes, facilitating knowledge sharing and team alignment.
* Troubleshot and resolved infrastructure issues related to Terraform deployments, ensuring minimal downtime and maintaining system reliability.
* Conducted architecture reviews, contributing to scalable and resilient system designs. Monitored application performance using Azure Monitor, analyzing metrics and logs. Implemented SQL transactions. It integrates well with version control systems like Git, enabling collaboration and versioning of playbooks. Implemented Kubernetes best practices and policies through Ansible automation.
* Designed and implemented custom dashboards in Dynatrace for visualizing key performance metrics. Implemented Dynatrace extension 2.0 integrations with cloud platforms like AWS and Azure for comprehensive monitoring solutions.

**Environment:** Web/Application Servers: Tomcat, HTTP Server, WebLogic. Bug Reporting Tools: SDM-12, Bugzilla, JIRA, Confluence, And Rational Clear Quest, Chef, Puppet, OpenStack, AWS, Ansible, Docker, and Vagrant.

**Vmware** - Palo Alto, CA (Offshore) Dec 2012 – July 2018

# Solution Engineer (DevOps)

* Oversaw and optimized VMware infrastructure, automated routine tasks using PowerShell, achieving
* Implemented and managed infrastructure through code to automate the setup and maintenance of VMware environments.
* Used tools like Terraform, Ansible and VMware’s vRealize Automation.
* Integrated VMware environments with continuous integration and continuous deployment pipelines to streamline the development, testing, and deployment of applications in virtualized environments.
* Used configuration management tools such as Puppet, Chef and Ansible to manage and provision virtual machines and other resources in a VMware infrastructure.
* Created and maintained comprehensive documentation for infrastructure design, deployment processes, and operational procedures, enhancing team knowledge and operational efficiency.
* Managed disaster recovery and backup strategies using Google Cloud Backup and Restore services, ensuring data integrity and minimal downtime during outages.
* 99.9% uptime and a 35% improvement in system responsiveness.
* Worked on VMware vSAN deployment for a premier client, which involved careful planning, configuration, and execution. This initiative reduced storage costs by 40% and significantly improved data retrieval times.
* Monitored the performance of VMware environment and optimizing them for both efficiency and cost-effectiveness. Used tools like VMware vRealize Operations Manager and third-party solutions.
* Wrote scripts in languages such as Python, Bash and PowerShell to automate routine tasks and orchestrate workflows within the VMware ecosystem.
* Led efforts to troubleshoot and resolve deployment issues using CDK, improving system reliability and uptime.
* Integrated CDK with container orchestration tools like Docker and Kubernetes, facilitating seamless application deployments.
* Integrating container technologies like Kubernetes with VMware products such as VMware Tanzu to support containerized applications and microservices architectures.
* Providing expert-level support for VMware environments, including troubleshooting complex issues that may arise in the virtual infrastructure.
* Collaborating with database and application teams to diagnose and address underlying infrastructure problems impacting application performance and database accessibility.

EDUCATION:

B.E. Electronics and Communication Engineering - **Anna University -**  Chennai, India June 2007–April 2011

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CERTIFICATIONS:

* Terraform associate
* AWS solutions Architect associate
* AWS Sysops admin Associate
* VMware VCP 6.5

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