

Ganesh Puli

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SUMMARY

DevOps Engineer with 7+ years of experience in Cloud, DevOps, and SRE. Proven ability to design, implement, and manage CI/CD pipelines (Jenkins, GitLab CI/CD, Azure DevOps) for automated deployments. Expertise in infrastructure automation (Terraform, Ansible) and containerized deployments (Docker, Kubernetes) across AWS, Azure, and GCP cloud platforms. Skilled in monitoring and logging (Prometheus, Grafana, ELK Stack) for performance and security optimization.

SKILLS

- **Cloud Platforms:** AWS, Azure, GCP.
- **Infrastructure Automation:** Terraform, Ansible, CloudFormation.
- **Containerization and Orchestration:** Docker, Kubernetes, EKS, AKS.
- **CI/CD and Automation:** Jenkins, GitLab CI/CD, CircleCI, Azure Devops.
- **Monitoring and Logging:** Prometheus, Grafana, ELK Stack, Splunk, AppDynamics.
- **Version Control and Collaboration:** Git, GitHub, GitLab, Bitbucket.
- **Security and Compliance:** AWS IAM, Hashi Corp Vault, Security Best Practices, Compliance Management.
- **Scripting Languages:** Python, Shell, YAML.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate.
- Red Hat Certified System Administration (RHCSA).

EXPERIENCE

Senior DevOps Engineer, Advithri Technologies, Texas USA

Jun 2024 - Current

- Develop and maintain infrastructure using Terraform and Ansible for automated provisioning and configuration management.
- Design and implement robust CI/CD pipelines using Jenkins, GitLab CI, and Azure DevOps to ensure continuous integration and deployment.
- Deploy and manage applications in Docker containers, orchestrated with Kubernetes and OpenShift for scalable and reliable microservices architecture.
- Manage multi-cloud environments (AWS, Azure, GCP) with automated deployment, monitoring, and scaling of resources to optimize performance and cost.
- Set up comprehensive monitoring and logging solutions using Prometheus, Grafana, ELK stack, and CloudWatch, reducing incident response time by 60% and achieving a 99.95% service availability.

- Implement security best practices and compliance policies using tools like HashiCorp Vault, AWS IAM, and Azure Security Center to safeguard infrastructure and data.
- Develop automation scripts using Python, Bash, and PowerShell for routine tasks, deployments, and incident response to increase operational efficiency.
- Optimize application performance through continuous monitoring and tuning, achieving a 20% increase in efficiency.
- Collaborate with development teams to ensure seamless integration and deployment of applications, reducing deployment issues by 30%.

Analyst - Devops Services - COFORGE, INDIA

Jan 2024 - May 2024

- Implemented and managed CI/CD pipelines using Jenkins and CloudBees, reducing deployment times by 35% and increasing deployment frequency.
- Created and maintained ARM templates for Azure resource provisioning, ensuring infrastructure-as-code (IaC) practices for consistent and efficient deployment of Azure VMs, storage, and other resources.
- Developed and deployed Azure Functions to implement serverless computing solutions, optimizing application scalability and cost-efficiency.
- Utilized Nexus for artifact repository management, ensuring efficient version control and artifact distribution across multiple environments.
- Monitored and maintained system health using Nagios and AppDynamics, achieving a 99.9% uptime and promptly addressing performance issues.
- Orchestrated microservices architecture using Kubernetes, enhancing scalability and reliability of applications.
- Coordinated incident management and resolution through ServiceNow and Jira, reducing incident resolution time by 40% and improving overall service quality.
- Implemented DevSecOps principles using tools like Snyk, SonarQube, Trivy and OWASP Security, integrating security checks into the CI/CD pipeline and reducing security vulnerabilities by 30%.

Cloud Solution Architect - Brane Enterprises, INDIA

Jan 2023 –Dec 2023

- Provisioned AWS resources for a team of 60 members and managed access using IAM, ensuring secure and efficient resource utilization.
- Designed and deployed a three-tier application on AWS, hosting the database, application (UI), and API on EC2 instances to ensure a scalable and reliable infrastructure.
- Deployed .NET applications on Elastic Beanstalk using AWS CDK from Visual Studio Code, streamlining the deployment process and improving development workflow.
- Created automated deployments and routine tasks using Python and Shell scripts, increasing operational efficiency and reducing manual intervention by 50%.
- Optimized cloud costs by implementing auto on/off for instances using AWS Lambda and CloudWatch, achieving a 25% reduction in operational expenses.
- Conducted cloud cost estimation for new infrastructure and resources using the AWS Calculator, providing accurate budgeting and planning for projects.
- Set up monitoring dashboards for Node.js applications using PM2, enhancing visibility into application performance and reducing downtime.
- Managed and provisioned cloud resources, and implemented DevOps practices for automated builds and deployments, resulting in a 40% increase in deployment speed and consistency.

Site Reliability Engineer, Concentrix Catalyst, INDIA

Feb 2020-Jan 2023

- Identified and implemented automation for manual tasks, reducing operational workload by 40% through scripting and process improvements.
- Monitored live applications using Grafana, Prometheus, Splunk, and AppDynamics, ensuring high availability and performance with a 99.9% uptime.
- Managed and triaged alerts using Slack and Jira, improving incident response time by 50% and enhancing overall service reliability.

- Handled incident management, including triaging calls and coordinating responses, reducing mean time to resolution (MTTR) by 30%.
- Ran Jenkins jobs for deployments, ensuring smooth and timely updates to applications with minimal downtime.
- Managed Kubernetes clusters and used Ansible and Terraform for infrastructure as code (IaC), enabling scalable and consistent deployment of resources.
- Implemented message queue solutions with Kafka and RabbitMQ, ensuring reliable communication and data processing between microservices.
- Implemented Blue-Green deployment strategies to minimize downtime and ensure seamless updates to production environments, improving deployment success rates by 20%.

DevOps Engineer, Cognizant Technologies Solutions, INDIA

Mar 2018-Aug 2019

- Managed and deployed applications on AWS and Azure cloud platforms, utilizing services such as EC2, S3, RDS, and Azure Virtual Machines.
- Implemented CI/CD pipelines using Jenkins, CircleCI, and Maven to automate builds, tests, and deployments, improving development workflow efficiency.
- Proficient in containerization technologies like Docker, creating Dockerfiles and managing containerized applications for scalable deployment.
- Utilized Git, GitHub, and Bitbucket for version control and collaborative development, ensuring code quality and team collaboration.
- Managed Linux servers, performing system administration tasks and troubleshooting to maintain server stability and security.

DevOps Engineer, Accenture Solutions Private Ltd, INDIA

Jun 2016-Feb 2018

- Participated in daily standup meetings with DevOps team to discuss tasks and progress.
- Worked closely with software engineers to design strategies for improving delivery pipeline efficiency.
- Introduced to AWS cloud services, gaining foundational knowledge in EC2, S3, and IAM for infrastructure provisioning and management.
- Performed basic Linux system administration tasks, including file system management, user administration, and shell scripting.
- Collaborated with teams to manage version control using Git, ensuring code integrity and facilitating collaborative development.
- Participated in troubleshooting and resolving issues in development and production environments, gaining hands-on experience in problem-solving and incident management.

EDUCATION

Bachelor of Engineering in Information Technology

May 2015

Methodist College of Engineering and Technology, Hyderabad, India