DIVAKAR PALANISAMY, DevOps Engineer

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LINKS

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GitHub: github.com/Divakarrepo

PROFFESTIONAL SUMMARY

Cloud & DevOps enthusiast with 3 years of experience as a Process Associate at First American (India) Private Limited, transitioning into AWS & DevOps. Skilled in AWS (EC2, S3, Lambda, RDS, IAM, CloudFormation) and DevOps tools (Docker, Kubernetes, Terraform, Jenkins, Git). Experienced in CI/CD, IaC, automation, and cloud security. Focused on building efficient, scalable cloud infrastructure and ensuring system reliability. Looking for an opportunity to apply hands-on expertise in AWS and DevOps in a fast-paced environment.

Work Experience

Process Associate – First American India Pvt Ltd, Salem - Present

- Reviewed and processed 50+ title searches weekly across multiple provinces, ensuring compliance with underwriting guidelines.
- Resolved 95% of title discrepancies in collaboration with lender representatives, minimizing processing delays.
- Identified and rectified title defects in 90%+ of cases, assuring clear property titles before mortgage or loan approval.

EDUCATION

Knowledge Institute of Technology – (BE-Mechanical Engineering) | 2016-2020

SKILLS

AWS	Terraform	Jenkins
Linux	Docker	Prometheus
Python, Bash Scripting	Kubernetes	Ansible

COURSES

Python, NextGen Solution - Aug 2023-Sep 23

AWS & DevOps, Greens Technology - Aug 2024-Jan 25

INTERNSHIPS

Python, NextGen Solution - Aug 2023-Sep 23

- Completed a virtual internship, developing automation and data processing improving efficiency by 30% using Python, Pandas, and NumPy.
- Developed Flask-based interactive dashboards, enhancing data visualization and accessibility for real-time analysis.

PROJECTS

1. Multi-Tier Architecture Deployment on AWS:

Objective: Deploy a web application on AWS using a scalable 3-tier architecture.

Tech Stack: AWS (EC2, RDS, ALB, S3, Route 53, CloudFront), Terraform, Ansible, Jenkins.

Overview:

- Frontend React hosted on S3 with CloudFront, with backend API on EC2 behind ALB for load balancing.
- Manage RDS MySQL databases, optimizing data storage for X TBs of data while reducing manual configuration by 80% using Terraform and Ansible automation.
- Monitor and optimize system performance with CloudWatch, assuring 99.9% uptime and reducing incident response time by 40% through preventive alerts and automation.

2. CI/CD Pipeline for a Web Application:

Objective: Automate web application deployment using AWS and DevOps tools, minimizing deployment time by 60% and ensuring 99.9% uptime for high availability and scalability.

Tech Stack: AWS (EC2, S3, CodePipeline, CodeBuild, CodeDeploy), GitHub, Jenkins, Docker, Kubernetes, Terraform, Ansible.

Overview:

- Host and manage applications (Node.js, Python, Java) on GitHub, with Jenkins automating CI/CD pipelines to reduce deployment time by 50% and ensure seamless releases with 99.9% uptime.
- Docker containerizes the app, deployed on EC2 or an EKS cluster, while AWS CodePipeline automates deployment.
- Automate infrastructure provisioning with Terraform and streamline configuration management using Ansible, reducing deployment time by 60% and minimizing manual errors by 80% for seamless deployments.

3. Blue-Green Deployment on AWS using CodeDeploy:

Objective: Achieve zero-downtime deployment using AWS CodeDeploy's Blue-Green strategy.

Tech Stack: AWS (EC2, ALB, CodeDeploy, S3, Route 53), Terraform, Ansible, GitHub, Jenkins.

Overview:

- Two environments (Blue = Active, Green = New) run on EC2, with ALB managing traffic switching.
- Application versions stored in S3 and deployed using AWS CodeDeploy for seamless updates.
- Automate CI/CD pipelines with Jenkins, minimizing deployment time by 50%, while leveraging CloudWatch to monitor deployments and enable 95% successful rollbacks, ensuring system stability.

SOFTSKILLS	Troubleshooting | Teamwork| Problem-Solving| Time efficiency

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LANGUAGES	Tamil – Native/Fluent | English – Professional | Japanese (JLPT N5) – Basic