Arunesh Dwivedi

+91 6375464347 | arunesh.devops@gmail.com | linkedin.com/in/aruneshdwivedi | GitHub | Hashnode

Pune, Maharashtra

SUMMARY

DevOps / Cloud Engineer with 2 years of experience building cloud infrastructure and CI/CD pipelines using AWS, Terraform, Ansible, and Jenkins.Focused on automating deployments, standardizing environments, and improving system reliability.

Skills

Cloud Platforms: Amazon Web Services (EC2, S3, IAM, RDS, VPC, ALB, Auto Scaling, ECS, ECR, CloudWatch), Yandex Cloud

Infrastructure as Code: Terraform (modules, remote state), CloudFormation

Configuration & Automation: Ansible, Jenkins, Git

Containers & Orchestration: Docker, ECS, Docker Compose, Kubernetes , Helm

Monitoring & Reliability: CloudWatch Metrics and Logs, Prometheus, Grafana (hands-on projects)

Operating Systems & Scripting: Linux, Python, Bash, YAML, JSON

Networking & Security: VPC design, Subnetting, NAT Gateways, Security Groups, IAM policies, SSL/TLS

Collaboration & Practices: Technical Documentation, Troubleshooting, Cross-team Collaboration

Experience

Software Development Intern   **May 2023 – Aug 2023**

Itgeo, Russia

- Delivered backend and frontend features for an internal web application using Python and JavaScript in a sprint-based development environment.
- Built one-command automation scripts to run builds and test suites, eliminating multi-step manual execution.
- Containerized the application using Docker to ensure identical runtime environments across all developers.

Projects

AWS CI/CD Platform (Terraform, Ansible, Jenkins)   github.com/AruneshDwivedi/aws-nodejs-cicd

- Built an automated CI/CD pipeline using Jenkins, Terraform, and Ansible to deploy applications across dev, staging, and production.
- Replaced manual release processes with repeatable deployment workflows, improving consistency and reducing configuration drift.
- Implemented environment-based configurations and secure secret handling for production-ready deployments.

AWS Infrastructure as Code Platform — Terraform   github.com/AruneshDwivedi/IAC-Terraform-AWS

- Developed reusable Terraform modules for VPC, load balancers, auto scaling groups, and RDS to standardize infrastructure provisioning.
- Implemented remote state management and modular architecture to support multi-environment deployments.
- Applied secure networking practices using private subnets, bastion access, and restricted security groups.

EC2 Infrastructure Automation using Python (boto3)   github.com/AruneshDwivedi/ec2-boto3-python

- Automated EC2 provisioning using Python and AWS boto3 to enable programmatic infrastructure deployment.
- Implemented instance bootstrapping via UserData to install Docker and deploy containerized applications at launch.
- Reduced manual setup time by integrating infrastructure provisioning with configuration automation.

Secure AWS Networking Architecture   github.com/AruneshDwivedi/AWS-Proj1

- Designed a secure VPC architecture using Terraform with private subnets and controlled internet access.
- Implemented bastion-based SSH access and restricted security groups to enforce least-privilege networking.
- Enabled secure connectivity for private workloads without exposing resources publicly.

Django Application Deployment on AWS ECS   github.com/AruneshDwivedi/django-app-AWS

- Deployed a containerized Django application on AWS ECS with load balancing and service-level scaling.
- Enabled scalable application hosting without manual server management.
- Improved deployment reliability using container-based infrastructure.

EDUCATION

M.S. in Artificial Intelligence and Cloud   **2023 – 2025**

N.I Lobachevsky State University

B.Tech. in Computer Science and Information Technology   **2019 – 2023**

N.I. Lobachevsky State University

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

- AWS Community Builder – Machine Learning (2024): Recognized for expertise in ML deployment and cloud community engagement.
- Hackathon: Contributed to innovative solutions across various domains, collaborating with a diverse team to design, develop, and implement a working prototype.
- Cultural Event Host: Successfully led 5+ cultural events, increasing student participation by 30%, contributing to campus participation at N.I Lobachevsky University.
- Academic Excellence: Ranked among the top 10% of the class for outstanding academic performance.