Revally Kiran
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AWS Certified Solutions Architect and Developer with 6 years of technical experience in CI/CD pipelines, Python, Terraforms, Ansible, Kubernetes, and AWS design

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, S3, RDS, VPC, IAM, CloudWatch, Lambda, EKS, ECS, ECR)
- **DevOps Tools:** Jenkins, GitLab CI, GitHub Actions, Docker, Kubernetes
- **Infrastructure as Code:** Terraform, AWS CloudFormation, Ansible
- **Monitoring & Logging**: AWS CloudWatch, DataDog, Splunk, ELK Stack
- **Scripting & Programming**: Python, Bash, YAML, JSON
- **Networking**: AWS VPC, Security Groups, Route 53, VPN
- **Security:** IAM Policies, Security Event Investigation, Incident Response

CERTIFICATIONS

- **AWS Certified Developer, AWS Certified Solutions Architect , Google Cloud Certified Cloud Architect** (In Progress)

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer
UNH, CT, Newyork   **Mar 2023 – May 2024.**

- Migrated services from **managed hosting to AWS**, developing **Python** scripts for data migration and deployment automation.
- **Developed Jenkins CI/CD pipelines** to automate services build, integration, and delivery processes.
- Developed **Terraform** scripts and **Python**-based **AWS Lambda** functions to automate cloud infrastructure provisioning on secure VPCs.
- Managed key AWS services including **EC2, ELB, Route53, EBS, S3, ECS, ECR, SNS, IAM,** and **CloudWatch.**
- Implemented monitoring and logging using **AWS CloudWatch, DataDog,** and **Splunk,** creating custom **Python scripts** for real-time analysis of AWS infrastructure.
- Architected highly available, **fault-tolerant AWS** cloud infrastructure, utilizing **EBS, EC2 snapshots,** and **RDS backups.**
- Created **Ansible Playbooks** for consistent environment configuration management.
- Led **CloudOps** cost reduction initiatives, optimizing and consolidating AWS resources.
- Documented cloud functions, processes, and best practices in **Confluence** to support organizational cloud strategy.
- Conducted **R&D/PoC** for emerging **DevOps tools** and provided feedback to vendors and management.

DevOps Engineer
Tech Mahindra, Mumbai, India   **Nov 2020 – Feb 2023.**

- Scheduled and managed **container deployments** using **Kubernetes** for efficient cluster operations.
- Implemented **Python**-based monitoring solutions using **AWS SDK (Boto3)** for custom metric collection and alerting.
- Built and deployed applications on **AWS EKS**, automating deployment, updates, and infrastructure maintenance using **Terraform**.
- Built **Jenkins jobs** to create AWS infrastructure from **GitHub repos** containing Terraform code, integrating Jenkins with tools like **Nexus, SonarQube,** and **Ansible** for seamless builds.
- Maintained **Jenkins** for **CI/CD pipelines**, ensuring smooth development and production workflows.
- Helped set up **Terraform** and **Ansible**, managing AWS resources for infrastructure automation.
- Implemented custom **Prometheus** exporters in **Python** for application-specific metrics in **Kubernetes** clusters.

Software Engineer
Accenture,Bangalore,India   **Sep 2017 – Oct 2020.**

- Successfully **migrated on-premises** applications to **AWS Cloud**, ensuring zero downtime during transition.
- Designed and implemented end-to-end **CI/CD pipelines**, increasing deployment frequency.
- Tracked server metrics using **monitoring tools**, isolating and resolving application failure points.
- Implemented Infrastructure as Code (**IaC**) using **Terraform** and **AWS CloudFormation**, reducing provisioning time.

EDUCATION

Master's in computer science & engineering (GPA-3.70) University of Newhaven.
Graduate Student Merit Scholarship | Research Assistant.

Key Courses: Cloud Computing, Web Technologies, Advanced C++ Programming, Database Management