

Pavan Kumar

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GITHUB | LINKEDIN

EDUCATION

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES
BACHELORS MECHANICAL ENGINEERING
CGPA: 8.7

July 2015 - July 2019
Andhra Pradesh, India

EXPERIENCE

COGNIZANT TECHNOLOGY SOLUTIONS | DATAOPS ENGINEER

Hyderabad | Jan 2022 - Present

- Implemented automation for pipeline registration, enhancing efficiency and reducing manual workload.
- Analyzed data flow in collaboration with cross-functional teams to ensure data integrity and optimal performance.
- Triaged and identified data discrepancies in pipelines, leading to timely resolution of data issues and improved data quality.
- Designed and maintained CI/CD pipelines using Jenkins and AWS CodePipeline, ensuring seamless integration and deployment processes.

COGNIZANT TECHNOLOGY SOLUTIONS | AWS ADMINISTRATOR Hyderabad, India | Nov 2019 - Jan 2022

- Created and monitored alarms and notifications for EC2 hosts using CloudWatch and CloudTrail, ensuring proactive management and security monitoring.
- Managed and deployed applications on Amazon ECS and EC2, ensuring reliable and scalable containerized services.
- Managed and optimized AWS-based Cloud Computing Services including RDS, VPC, S3, Route 53, ELB, and EBS/IOPS/Snapshots.
- Configured Simple Storage Service (S3) with versioning, Object Lifecycle Management, Static Website hosting, Bucket policies, and ACLs.
- Deployed and managed Amazon Elastic Services, including Auto Scaling and Load Balancers, to ensure high availability and scalability.
- Utilized Amazon CLI for Cloud services automation, streamlining various AWS operations.
- Managed and configured both default and non-default Virtual Private Clouds (VPC), including Internet Gateway, Route Table, NAT Gateways, and Endpoints.
- Configured Amazon Security Groups, Network ACLs, IAM Users and Groups, IAM Roles, and IAM Policies to maintain robust security and compliance.
- Set up and maintained Amazon Relational Database Services (RDS) and DynamoDB, ensuring high performance and scalability.
- Configured and managed Amazon notification services such as SQS, SWF, and SNS for efficient messaging and workflow automation.

Skills and Expertise

- AWS Security: Experience with IAM policies, Security Groups, Network ACLs, and CloudTrail for monitoring and securing AWS environments.
- Amazon ECS (Elastic Container Service): Knowledge of container orchestration and management using ECS.
- Amazon EC2: Proficiency in configuring and managing EC2 instances for scalable and resilient application hosting.
- Amazon RDS: Expertise in setting up, managing, and scaling relational databases in AWS.
- CI/CD Pipelines: Proficiency in implementing and managing continuous integration and continuous deployment pipelines using Jenkins and AWS CodePipeline.
- Automation: Skilled in using AWS CLI and other automation tools to streamline cloud operations.
- AWS Architectures: Designed and implemented AWS architectures for high availability, fault tolerance, and scalability.
- Application Security: Implemented best practices for securing applications, including configuring WAF (Web Application Firewall), encryption, and vulnerability assessments.
- Basic AWS Services: Experience with core AWS services like S3, VPC, Route 53, ELB, and CloudWatch.

PROGRAMMING LANGUAGES	Python
LIBRARIES/Frameworks	Terraform, Git
TOOLS / PLATFORMS	AWS Cloud, Snowflake, JFrog, PyCharm
DATABASES	MySQL

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate - AMAZON WEB SERVICES
- AWS Certified Cloud Practitioner - AMAZON WEB SERVICES