AJAY RAJ SINGH

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PROFESSIONAL SUMMARY

AWS Cloud Engineer with over 3 years of experience in managing, troubleshooting, and optimizing AWS environments to ensure high performance, security, and availability. Skilled in incident management, automation, backup, and disaster recovery planning, with a proven track record of reducing operational costs, enhancing system uptime, and securing AWS infrastructure through best practices.

EXPERIENCE

Systems Engineer | Infosys ltd| India | March 2022 – September 2024

- Monitored and maintained AWS infrastructure components like EC2, S3, RDS, VPC, lambda Function and IAM to ensure high availability and smooth operation.
- Promptly resolved AWS-related incidents, maintaining excellent uptime and improving recovery times.
- Automated infrastructure tasks using AWS Step Function, AWS Lambda and CloudFormation, enhancing operational efficiency.
- Performed ETL tasks using AWS Glue through visual ETL, streamlining data processing and transformation workflows.
- Managed IAM policies and conducted regular security audits with AWS CloudTrail and AWS Security Hub, enhancing data security.
- Implemented AWS Backup strategies and tested disaster recovery plans quarterly, ensuring comprehensive data protection.
- Created and updated technical documentation on system health and incident management, simplifying onboarding and knowledge transfer.
- Collaborated with DevOps and development teams on AWS deployments, boosting operational efficiency.

Junior Cloud Administrator| V3 Technologies | India | August 2021 – February 2022

- Supported AWS deployments and migration efforts, troubleshooting issues to minimize service interruptions and ensure high availability.
- Monitored system health and logged events using AWS CloudWatch, enhancing overall system performance.
- Developed and maintained technical documentation for AWS infrastructure, incident management processes, and backup protocols, enhancing team efficiency.
- Assisted in implementing and maintaining CI/CD pipelines with AWS CodePipeline and Git, improving deployment frequency and reliability.
- Configured IAM roles, policies, and permissions to secure AWS resources, strengthening access control and data security practices.
- Collaborated closely with development and DevOps teams to optimize cloud configurations, improving resource utilization and operational efficiency.
- Conducted routine data backup and recovery procedures using AWS Backup, ensuring data integrity and availability for clients.
- Provided technical support and troubleshooting for AWS-related issues, contributing to increased client satisfaction and service reliability.

TECHNICAL SKILLS

- **AWS Services:** EC2, S3, RDS, VPC, IAM, CloudWatch, Lambda, CloudFormation, Redshift, Glue, Sage Maker, Step Functions, SNS, SES, ECR, DynamoDB
- **Programming Languages:** Python
- **Automation & Scripting:** AWS CLI, Boto3, Shell
- **Monitoring & Logging:** AWS CloudWatch
- **Security & Compliance:** IAM, AWS Secrets Manager, KMS
- **Operating Systems:** Windows, Linux/Unix
- **Version Control:** Git
- **ETL Tool:** AWS Glue
- **IaC Tool:** Terraform, AWS CloudFormation

EDUCATION

B. TECH | Rajasthan Technical University | 2016-2020
Bachelor of Computer Science Engineering from R.N Modi Engineering College with Honors.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner | May 2023 – May 2026**
- **AWS Certified Solutions Architect – Associate| June 2023 - June 2026**