Dhanesh Babu

Senior Engineer

Chennai, IN

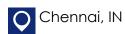https://dhanesh.info

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Proven track record at CTG in excelling in AWS disaster recovery and cost optimization, demonstrating leadership in cloud security and effective team collaboration. Expertise in AWS Security Best Practices and the ability to drive significant improvements showcase technical acumen and strategic problem-solving skills.

Technical Skills

- Linux Distribution - Ubuntu, CentOS, Kali.
- Cloud - AWS Proficiency, Partial with Azure, Minimal with GCP.
- Security Tools- Cloud Security Scanning Tools(Scout, Prowler, Greenbone).
- Security Audit Standards - ISO 2007, CIS Benchmark, Fisma.
- Security Administration - Linux Admin, IAM, WAF, SSL.
- Monitoring - Zabbix, AWS Security Hub, ISMS.
- Application Code Security Scanning - Burp Suite, SonarCube.
- Repositories - BitBucket, AWS Repositories(Code Commit).

Certifications

2024-06	AWS Certified Security - Specialty - (SCS-C02)
2023-01	AWS Certified SysOps Administrator - Associate - (SOA-C02)
2022-05	AWS Certified Cloud Practitioner - (CLF-C02)
2022-03	Azure Fundamentals - (AZ-900)

Work History

2022-07 - Current

Senior Engineer
CTG, Chennai

- Improved application availability by designing and implementing effective disaster recovery strategies using AWS backup services.
- Streamlined deployment processes with AWS CloudFormation templates for infrastructure automation.
- Provided prompt support during on-call rotations to address critical incidents involving AWS infrastructure, ensuring minimal downtime and rapid resolution.
- Guided development teams on best practices for building and deploying applications on AWS.
- Optimized costs by identifying unused resources, recommending right-sizing instances, and leveraging reserved instances or spot pricing on AWS.
- Implemented budget monitoring, resource tagging, and cost allocation strategies across AWS services.
- Assessed existing infrastructure to identify improvements and implemented cloud-based solutions using AWS services.
- Managed container orchestration with Kubernetes on Amazon EKS for highly available applications in microservices architecture.
- Enhanced cloud infrastructure efficiency by optimizing AWS services and automating routine tasks.
- Trained team members in AWS tools and services for increased efficiency in cloud management.
- Aligned business objectives and technical requirements during planning phases for cloud migrations and deployments.
- Ensured high data security by enforcing encryption methods, policy management, and network access control within AWS.
- Regularly monitored, troubleshooted, and fine-tuned AWS resources to boost system performance.
- Implemented monitoring solutions using Amazon CloudWatch for real-time system performance insights.
- Deployed Lambda functions for serverless computing in response to event triggers in Amazon API Gateway.
- Regularly audited configurations against industry standards such as CIS benchmarks or NIST guidelines to strengthen infrastructure security.
- Developed comprehensive cloud migration plans with cross-functional teams for seamless transitions to AWS.
- Resolved technical problems quickly by monitoring networks and network devices.
  Led server infrastructure development, quality assurance, staging, and production systems.

- Evaluated software products for compatibility with existing systems. Implemented robust encryption methods and access control techniques to enhance cloud security.
- Established comprehensive risk management policies to reduce exposure to cyber threats.
- Identified and remediated potential security risks in cloud environments with cross-functional teams.
- Ensured GDPR compliance by implementing stringent data protection measures. Conducted vulnerability assessments for cloud applications, recommending updates and patches for security.
- Facilitated smooth migrations of legacy systems to secure cloud platforms, minimizing potential risks.
- Delivered regular reports on cloud security measures to key stakeholders for informed decision-making.
- Implemented multi-factor authentication systems for improved user access management.
- Reduced vulnerabilities through regular security audits and penetration testing for cloud infrastructure.

2018-11 - 2021-11

System Engineer

Full Creative, Chennai

- Installed, configured, and maintained Linux servers, including web and mail servers, ensuring optimal performance and reliability.
- Conducted software installations and upgrades on Linux systems, adhering to established policies, procedures, and service level agreements.
- Implemented and maintained robust security measures, safeguarding servers against unauthorized access and potential threats.
- Deployed new systems and applications, seamlessly integrating them with existing infrastructure, minimizing operational disruptions.
- Collaborated with cross-functional teams to troubleshoot and resolve server-related issues, minimizing downtime and optimizing system performance.
- Documented server configurations, procedures, and troubleshooting steps, facilitating knowledge sharing and ensuring consistency in system management.
- Stayed updated with latest advancements in Linux technologies and best practices, continuously enhancing skills and knowledge in system engineering.
- Proofread all documentation and reports, ensuring accuracy, clarity, and error-free communication.
- Designed and implemented Amazon Connect Contact flow architecture, enhancing customer experience and streamlining call routing processes.
- Managed Twilio platform, including IVR setup for Twilio numbers, ensuring efficient call handling and effective customer interactions.

- Managed WordPress sites and hosted environment in both GCP and AWS, ensuring smooth operation and optimal performance.
- Managed Google Workspace for users, including domain management, data migration, and distribution email group creation.
- Enforced multi-factor authentication (MFA) for Google accounts, enhancing security and protecting sensitive information.
- Generated weekly reports for Sokolove Services, providing valuable insights and updates on key metrics.
- Configured Twilio IVR systems according to client requirements, improving customer experience and streamlining communication processes.
- Troubleshoot computer hardware and software issues, resolving technical problems and ensuring smooth operations.

Education

2014-03 - 2018-06

Bachelors of Engineering: Electronics And Communication Engineering

Sri Krishna College Of Engineering And Technology - Coimbatore, India