

SHRI BALAJI KARTHIK MATHIVANAN

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SUMMARY

Experienced Cloud Analyst with 2+ years of experience in AWS, Azure, and GCP, proficient in infrastructure automation using Terraform, and skilled in cloud security and system reliability. Proven track record of reducing downtime and optimizing performance through effective monitoring and troubleshooting. Certified in Azure, AWS, and Google Cloud with a strong educational background in Cloud Data Management and Computer Engineering.

SKILLS

- **Cloud Services:** AWS | Azure | GCP
- **System Administration:** Linux | Windows
- **Programming and Scripting:** Python | Java | JavaScript | HTML | CSS | Bash | Shell Scripting | PowerShell | PnP
- **AWS:** AWS CloudFormation | AWS CodePipeline | AWS Elastic BeanStalk | AWS IAM | S3 | AWS CloudWatch | AWS ELB | Route 53 | AWS VPC | AWS Lambda | Amazon RDS
- **Azure:** Azure VM | ARM Template | Azure DevOps | Blob Storage | SQL Database | Azure AD | Monitor | Azure CDN | Azure Key Vault | ADF | Data Bricks | Data Lake
- **Networking:** HTTP/s | TCP/IP | DNS | OSI model | VPC | VPN | Network Security (Firewalls, IDS/IPS) | Subnetting | NAT | Routing Protocols (BGP, OSPF)
- **Tools:** Git | GitHub | Jenkins | Gitlab CI/CD | Bamboo | SonarQube | Trivy Scan | Nexus Repo | Argo CD | AWS CLI | Azure CLI
- **IAC:** Terraform | Ansible | Puppet
- **Containerization:** Docker | Kubernetes | AWS ECS/EKS
- **Database:** MySQL | NoSQL
- **Visualization:** Excel | Power BI | Tableau
- **Other:** Service Now | Zabbix | Prometheus | Grafana | Windows AD | BigFix | Ngrok | NPM | Slack

WORK EXPERIENCE

CLOUD ANALYST at HCL TECH

Aug 2021–Nov 2022

- Improved monitoring process and regular maintenance, reducing server downtime by 87%.
- Designed and maintained secure AWS infrastructure, resulting in a 25% decrease in security incidents.
- Guided clients on best practices regarding Azure cloud technologies that led to a 20% surge in performance.
- Collaborated with the database team to develop and implement cloud security policies, resulting in a 45% reduction in database incidents and improved compliance with industry regulations.
- Troubleshoot and resolved complex cloud-related issues, resulting in a 30% reduction in system downtime and improved end-user satisfaction.
- Resolved Zabbix monitoring agent service issues on 153 servers, achieving a 100% resolution rate, by configuring and optimizing services, ensuring uninterrupted system monitoring.
- Facilitated user access configuration through IAP desktop for Active Directory-integrated servers for seamless user access and authorization via the GCP platform.
- Automated AWS infrastructure setup with Terraform, leading to a 30% increase in system reliability through improved load balancing and security measures.
- Collaborated with the backup team to secure server backups and conducted patch management using BigFix, resulting in a 20% increase in overall system reliability.
- Achieved a 90% reduction in duplicate incident, false alert occurrences through effective collaboration with the ServiceNow team, enhancing overall incident resolution efficiency.

PROJECTS

M365 SharePoint Data Migration

- Led the migration of 500GB of data from on-premises to a new SharePoint environment, increasing efficiency by 35% and reducing data retrieval times by 25%.
- Integrated 13 subsites with OneDrive, Teams, and Power Platform tools, boosting team productivity by 40% through improved collaboration and automated purchasing processes.
- Conducted comprehensive training sessions for over 200 employees, enhancing user engagement and proficiency with a 98% user adoption rate within the first month post-migration.
- **Skills:** Azure AD, Teams, SharePoint, Outlook, OneDrive, Power BI, Power Automate, PowerApps, data integrity, security, compliance, project planning, budgeting, collaboration, HR processes, automation, advanced analytics, real-time monitoring, user training.

Automated Real-time Infrastructure Setup with Terraform

- Automated real-time AWS infrastructure setup with Terraform, including VPC creation, security implementation, and high availability setup with EC2 instances and ALB integration.
- Improved performance and availability through efficient load balancing and workload distribution. Enhanced security measures, resulting in a 30% increase in system reliability.
- **Tools:** Terraform, EC2, S3, ALB, VPC, VS code

Data Engineering

- Developed and executed data pipelines using Azure Data Factory, extracting Tokyo Olympics data from an API and seamlessly storing it in Azure Data Lake Storage.
- Streamlined big data processing using Apache Spark on Azure Databricks, simplifying coding complexities and ensuring efficient cluster management.

CERTIFICATIONS

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| • Microsoft Certified Azure Fundamentals | • Microsoft Certified Azure Administrator Associate |
| • Google Cloud Certified Associate Cloud Engineer | • Microsoft Azure Data Fundamentals |
| • AWS Certified Cloud Practitioner | • HashiCorp certified terraform associate |

EDUCATION

Cloud Data Management Conestoga College, ON, Canada	APRIL 2024
Student in post-graduation program for Cloud Data Management	GPA: 3.66/4

Bachelor of Computer Engineering Easwari Engineering College	JUNE 2021
Completed Bachelors of Computer Engineering with a Distinction.	GPA: 7.6/10