



**Karthik Prabhu T R**

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| **Experience Summary** | | | | |
| * A cloud Engineer with 4.7 years of experience in developing IT infrastructure and providing solutions on cloud to increase scalability, mobility, and high availability | | | | |
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| **Skills Summary** | | | | |
| **Domain** | | AWS, Linux, Windows. | | |
| **Operating System / ERP Version** | | Windows Server, Amazon Linux, Ubuntu. | | |
| **Tools / DB / Packages / Framework / ERP Components** | | Pingdom, Jira, Sensu, PagerDuty, DataDog, OpManager, Jenkins, Trendmicro, Nessus, Terraform, Opsgenie, Kubernetes. Cloud Endure,Kubernetes, Spotinist. | | |
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| **Professional Certifications/ Trainings** | | | | |
| * Completed various trainings on AWS APN, * Completed 4 courses in CCNA Routing and Switching. | | | | |
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| **Work Experience** | | | | |
| **Larson and Toubro Infortech., Coimbatore** | | | | |
| **Role Name** | **Engineer – Managed Service.** | | **Team Size** | 18 |
| **Start Date** | June 2020 | | **End Date** | Till date |
| **Description** | As an Engineer in cloud support team, we need to provide remote infrastructure support in AWS. It includes including installation, configuration, Upgradation, Maintenance and Troubleshooting of Linux and Windows system within SLA. | | | |
| **Role & Contribution** | * Designed, deployed, and maintained cloud-based infrastructure and applications on AWS, including EC2, S3, EBS, ELB, CloudWatch, VPN, autoscaling,CloudTrail,,IAM, VPC, ECS, Event Bridge, API Gateway, CloudFront, and Route53. * Provided technical support for cloud-based systems, ensuring maximum system uptime and availability, and proactively identifying and resolving issues. * Configured and managed security groups on AWS and implemented security practices such as IAM, CloudWatch, CloudTrail, Trusted Advisor, and Guard Duty to ensure the security of the cloud environment. * Created and managed public and private VPCs, NAT gateways, internet gateways, IP Sec VPN tunnels, route tables, peering, and network ACLs to ensure secure network connectivity for cloud-based systems. * Deployed services in development, staging, and production environments using Jenkins pipeline and multibranch pipeline, with hands-on knowledge of software containerization platforms like Docker, container orchestration like Kubernetes, and managed infrastructure using AWS Lambda. * Worked with GIT version control systems and used source code management tools like GitHub and GitLab to manage and track changes to software code. * Suggested EC2 instance types based on workloads and provided high availability by implementing load balancers (classic/application) and autoscaling. * Created roles, users, groups, and implemented MFA to provide additional security to AWS accounts and resources using IAM. * Migrated and managed DNS entries in Route 53 and other DNS providers to ensure smooth and efficient communication between cloud-based systems and end-users. * Regular inspection of infrastructure for its compliance of CIS, PCI, AWS Security standards. * Implemented production monitoring setup for production environment servers using Sensu and Grafana, New relic, Opsgenie, Datadog and CloudWatch, monitored and troubleshooted server performance * Conducted security audits on the infrastructure by running Nessus, Trusted Advisor and other security tools, and took corrective measures to secure the cloud environment. * Prepared and analyzed cost estimation and optimization reports for each environment to optimize costs and improve cost efficiency. * Infrastructure provisioning using terraform. | | | |
| **Technology & Tools** | Pingdom, Jira, Sensu, PagerDuty, Datadog, Jenkins, TrendMicro, Nessus, Terraform, Opsgenie, Kubernetes, Cloud Endure | | | |
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| **Educational Qualification** | | | | |
| **Education & Credentials** | BE – PPG Institute of technology, Coimbatore.  (Anna University, Chennai.) | | | |