KARTHI JAYAKUMAR

Solution Architect

sarankarthi356@gmail.com
coimbatore

9629853132

linkedin.com/in/karthi-jayakumar-79b4a7116

SUMMARY

Totally **8 Years of IT Experience** Past **6 Years Worked in Mechanical Domain** Almost **2 Years Of Experience in Cloud** Amazon CloudWatch, Amazon Web Services , CloudFront, S3, Ec2, Amazon Ec2, Amazon S3, Amazon CloudFront, Amazon Relational Database Service (RDS), Amazon VPC, IAM, Ci/Cd, Git, AWS-CLI Bash, Python, GitHub, Docker, APIs associated with IAM, CloudFormation, AMIs, SNS, SQS , EBS, ELB, Route 53, Security Groups, IAM, ECS & Kubernetes, Chef, Ansible & Terraform **Solution Architect** Position. Totally 8 Years of It Experience Past 6 Years Worked in Mechanical Domain.

- Design, Develop and Implementation of Infrastructure Provisioning to various cloud providers using Chef cookbooks for the product development.

- Developing chef recipes for various applications to Install and manage via product on Linux Platforms.

- Extensively worked on GIT version control system.

- Responsible for developing and maintaining scripts written in Bash Shell and Python.

- Experienced on working with AWS services such as EC2, ELB, Auto scaling, RDS, Cloud Watch, IAM, S3 Bucket.

- Experienced in assigning roles for users, groups using IAM.

- Experienced in using ELB and Auto Scaling for designing High availability environment for Application servers and database servers on AWS.

- Assist in migrating on premise servers to AWS cloud.

- Configure and managing domains with Route53.

- Provided design, implementation, administration and support of Windows & Linux Server on physical and Hyper-V Environment.

- Creating and Configuring Group Policies for users and domain resources.

- Automated Database backup using Scripts and Task scheduler on windows platform.

- Configuring Port forwarding, VPN, Load Balancer and security policies in Firewall.

EXPERIENCE

Consultant Engineer

Altran Technologies India Pvt Ltd

08/20 - 08/2021 Coimbatore

- Experience in several AWS Services including EC2, VPC, IAM, S3, RDS, ELB, Route 53, CloudWatch, CloudTrail , AWS Secrets Manager, AWS Glue & Cloud Formation.
- Experience in Deploying Microservices on AWS EKS.
- AWS Cost Management in various services like EC2, S3, Cloudtrail, VPC, NAT, Data Transfer, CloudWatch, Backups.
- AWS Cost Management in Reserved Instances, Savings plan for AWS services.
- EC2 Snapshots backups using AWS backups service and lifecycle manager to copy to another AWS account.
- Worked in AWS environment, instrumental in utilizing Compute Services (EC2, ELB, ALB), Storage Services (AWS S3 Spectrum Glacier, Block Storage, Lifecycle Management policies), CloudFront, VPC, RDS, Elasticache and Cloud Watch
- Client Calls - Implement GWC on client servers. (Install/Upgrading docker (RPM, Docker Engine from binaries, Repo) with our latest docker images.
- Created AWS lambda functions to covert the xml files to csv format and store it in S3 bucket.

EXPERIENCE

Lead Engineer
HCL TECHNOLOGIES LTD

C 08/2021 - 11/2022   + Chennai

1 years 2 months Worked as Cloud Administrator in databases like AWS DevOps tools, technologies and APIs associated with IAM, CloudFormation, AMIs, SNS, SQS, EC2, EBS, S3, RDS, VPC, ELB, Route 53, Security Groups and lambda VPC, EC2, RDS, Security Groups, IAM, ECS, S3 & Redshift.

— Creating users, groups and roles on IAM as per client requirement.
— Maintained workflow for version control (source code
— Management) using git, Bash, python and GitHub.
— Provisioned servers and deployed features using Automation tools like Ansible.
— Built and deployed Docker containers.
— Creating & Monitoring CI\CD Pipelines using Jenkins.
— Maintaining container clusters using Kubernetes.
— Hands on Experience with AWS DevOps tools, technologies and APIs associated with IAM, CloudFormation, AMIs, SNS, SQS, EC2, EBS, S3, RDS, VPC, DynamoDB , ELB, Route 53, Security Groups and lambda VPC, EC2, RDS, Security Groups, IAM, ECS & S3.
— Hands on Experience with Load balancer, Firewall & DNS.
— Incident management and focal point for AWS services.
— Used cloud formation related work in terraform.
— Supported SQL database team in daily activities.
— Experience with system monitoring tools such as Prometheus.
— Experienced in VMware.

EXPERIENCE IN PAST 6 YEARS (Mech)

Junior Engineer
M.M. EQUIPMENTS
Jun 2014 to Dec 2017 (3 years 7 months)

— CNC frame designing and Mould 3D designing for fabrication works. Worked as design Engineer.
— Working as Junior design engineer in AutoCAD Software for
— Drawing frames, Welding joints, Channel Frames & welding joint drawings.
— Material purchase and electroplating for shafts and plates.
— Surface coating zin coating.
— Wheel trolly assemblies.
— Mould Drawing creation & assembling for building blocks 12x12.

EXPERIENCE (Mech)

Consultant Engineer
ALTRAN TECHNOLOGIES
Full-time Dec 2017 to Aug 2021 (3 years 9 months)

— Schematic drawing and Documentation.
— P&ID creation and Documentation.
— 3D modeling and drawing for project standards.
— Redline update and maintaining customer requirements using PLM Aquadyne Project.
— 3D modeling and drawing for project standards.
— Redline update and maintaining customer requirements using PLM.
— 3D Project for Research & Development of Machine assemblies with new Ideas.
— Analyse using 3D printing for Snap fit concept of cabinet housing assembly for client requirement.
— 3D Modeling and M&I creation as per customer standards.
— Documentation maintenance like BOM update and Drafting Update.
— Working as Junior design engineer in AutoCAD Software for
— Drawing frames, Welding joints, Channel Frames & welding joint drawings.
— Material purchase and electroplating for shafts and plates.
— Surface coating zin coating.
— Wheel trolly assemblies.
— Mould Drawing creation & assembling for building blocks 12x12.

SKILLS

| AWS | IAM | CLOUDWATCH | AWS LAMBDA | | SQL | REDSHIFT | EC2 | S3 | Data Migration |

RDS MySQL VPC ELB DEVOPS CI/CD Python ANSIBLE CHEF

TERRAFORM Shell Scripting JENKINS Shell Scripting API GATEWAY SQL DNS

AUTO SCALLING Docker Kubernetes Security Groups Route 53 API EBS

VM WARE CCNA CLOUDFRONT REDHAT LINUX GITHUB GIT AMI

CERTIFICATION

REFINEMENT SOFTWARE SOLUTIONS

CCNA (200-301) & RHCSA-200

EDUCATION

B.E Mechanical Engineering
Karpagam Academic of Higher Education
07/2017 - 08/2020

GPA
7.3 / 10.0