RAJESH KUMAR BAKTHAVACHALAM

# AWS/DEVOPS Engineer

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# Summary

I am a Technical Specialist with 10 years of experience in the IT and Telecommunication industries. My expertise is centered around cloud administration, particularly with AWS services. I thrive in dynamic environments and am dedicated to delivering excellent support and solutions. Committed to continuous professional development and optimizing operational processes.

# Experience

HCLTech Chennai

## AWS Cloud / Devops Engineer 10/2023 - Till

Global technology company specializing in IT services and solutions.

* DevOps Engineer with extensive work experience on SRE, Build & Release Management process and AWS cloud computing that includes end-to-end code configuration, automation and deployments of artifacts for entire life cycle model in Enterprise Applications.
* Experience with administration, maintenance and operations of different AWS Cloud resources and management services like Elastic Beanstalk, S3, RDS, Lambda, SQS, Cloud Front, SNS, Cloud Watch and Cloud formation templates.
* Experience in creating AWS Cloud Formation templates (CFT) to create custom-sized VPC, subnets, EC2 instances, ELB, security groups. Worked on tagging standard for proper identification and ownership of EC2 instances and other AWS services like Cloud Front, Cloud Watch, RDS, S3, Route53, SNS, SQS, Cloud Trail.
* Created Docker images to support development and testing teams and their pipeline and Environment provisioning solutions using Docker.
* Used Kubernetes to manage containerized applications using its nodes, Config Maps, selector, Services and deployed application containers as Pods, Executed Kubernetes locally with MiniKube, Created local clusters and deployable application.
* Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
* Experience on automation tool like Ansible where configured systems, deployed the software and orchestrated tasks by writing Ansible Playbooks.
* Experience in using Nexus and Antifactory Repository Managers for Maven builds.
* Experience in Configuration management tools like Ansible and Puppet for Deployment on Multiple platforms along with knowledge in Chef.
* Extensive experience with DevOps essential tools such as chef, Ansible, Jenkins, Docker, Kubernetes, Git, and Maven.
* Management of all Open stack services on docker and Kubernetes cluster using distributed microservices implementation using AKS deployed and managed Kubernetes cluster in AWS.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Skilled in working with teams in Agile environment and perform as Business analyst, Facilitator, Tester, or Scrum Master.
* Extensive experience in LINUX/Unix System Administration, System Builds, Server Builds, Installations, Upgrades, Patches, Migration, Trouble shooting.
* Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
* Extensive knowledge on Scrum concepts like Scrum Team, Product Backlog, Sprint Planning, User Stories, Daily Standup Meeting, Burn-Down Charts, Pair Programming etc.

Wipro Technologies Chennai

## Senior Analyst - OMV 05/2022 - 10/2023

Leading global information technology services company.

* Participate in the Change Management and other ITIL processes
* Performs incident resolution, problem determination and root cause analysis in accordance with Service Level Agreements
* Proficient in ITIL concepts for Change Management and Configuration Management.
* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups etc.,
* Managed multiple AWS accounts with multiple VPC’s for both production and non-prod.
* Well versed knowledge on AWS infrastructure & troubleshooting network issues related cloud infrastructure.
* Worked closely with EC2 infrastructure teams to troubleshoot complex issues.
* Creating RDS with Multi-AZ and Read-Replica for high availability.
* Knowledge on creating, deleting and updating the buckets in S3.
* Managing Backups of Instances and EBS storage using scripts.
* Troubleshoot issues related to bastion host authentication, ELB not reachable, DNS issues, Ports blocked, no route, etc.
* Support for all other AWS products such as S3, RDS, and Application Load Balancing

# Experience

Nokia Networks Chennai

## Fault Management Engineer 12/2017 - 05/2022

Global leader in the ICT industry.

• Worked extensively with AWS services like EC2, S3, VPC, ELB, Autoscaling Groups, IAM, Cloud Provisioning EC2 Instances.

• Bootstrapped EC2 Instances while launching.

• Modified EC2 instance security groups to open or close port numbers.

• Shut down unused instances as per customer confirmation.

• Created S3 buckets and granted requested permissions through IAM.

• Created VPC, Subnets, Route Tables, Internet Gateways, NACL'S for new environment.

• Possess good knowledge in creating and launching EC2 instances using AMI's of Linux and Windows.

• Integrated Amazon Cloud Watch with Amazon EC2 instances for monitoring log files and track metrics.

• Configured AWS Identity Access Management (IAM) Group and users for improved login authentication.

• Created roles, users, and groups in IAM and attached policies for minimum resource access.

• Managed and operated scalable, highly available, secure, and fault tolerant systems on AWS Cloud.

Evolve Technologies Pvt Ltd Navi Mumbai

## LSMR Integration Engineer 01/2017 - 12/2017

Telecommunication services company.

* Created new ENB, XNB, IBS, OSC sites.
* Performed RRH swaps & added extra carriers to the network.
* Expanded band (1800 5MHZ) and grew new band (2300 20 + 10MHZ).
* Coordinated with the circle team and was responsible for performance monitoring and integration.

Nokia Networks Chennai

## Configuration Management Engineer 09/2014 - 12/2016

Global leader in the ICT industry.

* Configured and integrated Huawei ATN 910i, 950B.
* Applied and familiar with protocols like MPLS, ISIS, BGP, and OSPF.
* Performed VLAN mapping in SIAE, MLTN and Huawei RTN microwave nodes.
* Handled ISIS networks with Huawei routers (CX ATN series).
* Conducted transmission testing for new technology activation.
* Verified IP duplication and rectified IP clashes.
* Managed ATN backhaul migration (own transmission to leased line).
* Tested new interface or link capacity (bandwidth) using JDSU tester.

# Education

Arunai Engineering College Tiruvannamalai

Bachelor Of Engineering Specialized in Electronics and Instrumentation. 08/2014

# Languages

English Proficient  Tamil Proficient 

# Skills

amazon ec2 Apache Auto Scaling AWS Cloud AWS Services BGP CCNA CloudFormation CloudWatch Configuration Docker EC2 ELB Grafana Huawei IAM Instrumentation ISIS ITIL Jenkins Lambda Linux load balancer load balancers LTE MPLS OSPF Performance Monitoring RDS Route 53 s3 SNS VLAN VPC Windows.

# Certification

ITILv3