

**Rajeswari Moorthy**

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**Summary:**

8 years of overall IT experience. Experienced in Design and Deployment Solutions (IaaS) - Private Cloud / Public Cloud (Aws) – **Certified Solution Architect Associate License- validation number- 3SFSD2TCDB41Q93V.**

Experienced in Managed File Transfer suites including Connect Direct, SFG, Sterling Integrator and UNIX Shell Scripting. **IBM Certified Connect Direct Administrator.**

**Education:**

**Bachelor of Engineering** (Electronics and Communication) from T.J Institute of Technology, (affiliated to Anna University) with a CGPA of 7.61

**Experience:**

Organization	Designation	Duration
Cognizant Technology Solutions	Sr. Systems Exec – ITIS	Aug 29th, 2012 – Nov 28 2014
TATA Consultancy Services	Analyst	Dec04 2014 – Aug 25, 2016
Virtusa	T3 Consultant	Aug 28, 2016 – Till Date

**Skills:**

**AWS services implemented:** EC2, RDS, S3, Glacier, IAM, Route53, Cloud Formation, VPC, DMS, Transit Gateway implementation, VPN, direct connect, API gateway, Autoscaling, ELB, CDN, EBS, VM Import/Export, Cloudwatch, SNS, VGW, IGW, NGW, WAF, Lambda.

**Orchestration Tools:** Ansible

**CI/CD:** Jenkins

**Container:** Docker

**Managed File Transfer Tools:** IBM Sterling Connect Direct, Sterling Integrator, Sterling File Gateway, Sterling Secure Proxy

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## Professional Project Experience:

### AWS Engineer

#### Project: Health First, Virtusa

*Cloud Migration project, migrating compute service and database from on-prem to AWS. Provisioned Database migration Replication task and schema conversion for Database migration. VM Import/Export service used for compute migration. Built three tier AWS Infrastructure using CloudFormation and Ansible.*

- Experience in maintenance and configuration of user accounts of DEV, QA and PROD servers created Roles for EC2, RDS, S3, CloudWatch.
- Building serverless APIs using API gateway. Creating desired request/response using body mapping template. Generating API keys and managing DDOS. Canary deployment using API gateway.
- Implemented security best practices in AWS including multi factor authentication, access key rotation, encryption using KMS, firewalls- security groups and NACLs, S3 bucket policies and ACLs, mitigating DDOS attacks etc.
- Implemented domain name service (DNS) through route 53 to have highly available and scalable applications. Created Route53 routing policy and hosted zone.
- On-Prem to AWS Database migration automated through developing CF template and implementing DMS solution.
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Manage AWS infrastructure with automation and orchestration tools such as ANSIBLE.
- Design for high availability and business continuity using self-healing-based architectures, fail-over routing policies, multi-AZ deployment of EC2 instances, ELB health checks, Auto Scaling and other disaster recovery models.
- Eliminating VPC Peering connection by implementing Transit Gateway service.
- Configured and Managed Elastic Load Balancing (ELB) to avoid fault tolerance and avoid single point of failure of applications, providing high availability.
- Defined AWS Security groups which acted as virtual firewalls that controlled traffic allowed to reach one or more AWS EC2 instances
- Used Docker files to create Docker images that will contain preinstalled software and micro-services
- Experience in working on several Docker components like Docker engine, Hub, Machine, Compose and Docker registry
- Configured Jenkins to automate build deployments based on changes captured in Version Control,
- Experience in ANSIBLE Playbook, YAML for Maintaining Roles, Inventory Files and Groups Variables
- Created snapshots and images to launch configurations of EC2 instances
- Configured S3 buckets with various life cycle policies to archive infrequently accessed data to storage classes based on requirements
- Used AWS system manager to automate operational tasks across AWS resources

### AWS Engineer

#### Project: APA, Virtusa

Design and Deployment Solutions (IaaS) - Private Cloud / Public Cloud (Aws). Hands-on experience in automating and optimizing critical deployments.

- Developed baseline VPC and Network design including leveraging VPN connectivity and Direct Connect
  - Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
  - Used security groups, network ACL's, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
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- Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
- Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
- Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
- Designed and implemented for elasticity and scalability using ElastiCache, CloudFront - Edge locations,
- RDS (read replicas, instance sizes) etc
- Implemented IAM best practices and role-based access control
- Implemented AWS Organization to centrally manage multiple AWS accounts including consolidated billing and policy based restrictions.
- Experience in creating alarms and notifications for EC2 instances using Cloud Watch .
- Defined AWS Security groups which acted as virtual firewalls that controlled traffic allowed to reach one or more AWS EC2 instances.
- Configured AWS Identity and Access Management (IAM) Groups and Users for improved login authentication. Provided policies to groups using policy generator and set different permissions based on requirement along with providing ARN (Amazon Resource Name)
- Infrastructure development on AWS using various services like EC2, S3, RDS, ROUTE 53, Cloud Formation, Cloud Watch, IAM, VPC
- Monitored and worked on alerts and issues related to server availability, disk issues, CPU, memory, processes

### ***Managed File Transfer Solution Architect*** **Project: Barclays,TCS**

Provide system administration, development and support on IBM Sterling Integrator (SI), IBM Sterling File Gateway (SFG), Connect Direct Protocol (C:D) for test, production and disaster recovery environments. Scope of work also includes generating and implementing ideas towards enhancement of the existing setup and automation of manual processes. Hands-On IBM AIX server level tools (SCC, SI and SFG) operation and maintenance.

- Development and maintenance of MFT Infrastructure (installed on AIX/Windows servers).
  - Net map, User file proxy, secure+ configurations on MFT Infrastructures(AIX, Windows and Mainframes)
  - Resolving issues related to SI, SFG, and Connect Direct.
  - Implementation of changes such as creation of Trading Partner profile, Code list, Routing rule, Certificate change when expired, PGP key change as required for SI, SFG and GIS on Graphical User Interface.
  - End to End Secure+ support for the Connect Direct
  - Hands on experience on Ticketing tools IBM ClearQuest, IBM Maximo & HPSM 7
  - Having knowledge in UNIX Administration, Windows Administration.
  - Deep understanding of ITIL/ITSM framework and its use in day to day delivery / improvement operations
  - Development and coding of UNIX Shell scripts within MFT Infrastructure.
  - Development and maintenance of MFT monitoring and schedule configurations.
  - CD Version and Patch Upgrades on AIX/Windows servers.
  - Client Engagement on a daily basis. Working on one on one Client based environment.
  - Work Intake Request Handling.
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**Managed File Transfer Solution Architect**  
**Project: Lloyds Banking Group, Cognizant**

- Sterling Integrator and Sterling File Gateway
  - Creation of partner profile (Producer, Consumer based on file transfer ; SFTP, CD, FTP and SFTP based on protocol used)
  - Creation of Group, Templates and Channels
  - Onboarding Connect Direct Node in SI and SSP configuration.
  - Manual upload/download of files using mailboxes
- Strong administrative skills of Connect direct on UNIX, Windows, Mainframe, Sterling integrator and SSP.
- Strong knowledge in applying STS & SSL security keys
- Experience in creating Secure+ links and generating secure+ keys between the nodes.
- Rich experience in Incident and Problem Management which primarily focuses on resolving incidents and Problems.
- Weekly MI Reporting on Service Delivery status to Senior Management.
- End to End Secure+ support for the Connect Direct
- Hands on experience on Ticketing tools IBM ClearQuest, IBM Maximo & HPSM 7
- Having knowledge in UNIX Administration, Windows Administration.
- Deep understanding of ITIL/ITSM framework and its use in day to day delivery / improvement operations
- Has good experience in Planning and Implementing Change, Release Management Process & Incident management process.
- Experience in supporting Dev-Test/SIT/PT/ELAB/Sup/Live environments
- Involved in Problem determination, RCA, identifying Application performance bottlenecks and Performance Tuning
- Ability to work independently while coordinating efforts with engineers and customer support resource.

**Passport Details:**

Passport Number: K0365886  
Valid date : 24/02/2022  
Date of Birth : 21/06/1991

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