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Summary

Hello there!

Thanks for visiting my profile. :)

I am Thangadurai, an Information Technology engineer and graduate from Anna University in Tamil Nadu, India.

Tech Ops Professional along with 11+ years of experience in airlines/financial services. Industry specialist in system, migration, automation, cost-saving, deployment, training and agile methodology.

My Tech Forte:

#Cloud Computing Platform - Amazon Web Services

#CI/CD/DevOps/IaC - Jenkins, Ansible, Docker, Kubernetes, Terraform

#SCM/CM - GitHub, Bitbucket

#Image BuildTool - Packer

#Middleware - Apache Tomcat, IBM WebSphere

#Database - MySQL, Oracle

#Observability - DataDog, Splunk

#Operating System - Windows, Linux

#Virtualization - Microsoft Hyper-VMware

#Automation Scripting - Bash, PowerShell

#Agile Methodology - Agile Scrum

GitHub - <https://github.com/thangacodes>

Experience



Senior Software Systems Engineer

Tesco Bank

Aug 2022 - Present (1 year 1 month)

Managed and optimized CI/CD pipelines, using tools like CloudBees Jenkins.

Assisted in migrating on-premises infrastructure to AWS cloud, resulting in improved scalability and reduced maintenance costs.

Developed and maintained automation scripts for infrastructure provisioning and application deployments.

Utilizing Terraform (IaC) to manage multiple AWS accounts and provision resources.

Custom ansible roles invoked post EC2 instances provisioned by Terraform to deploy applications.

Automating AWS AMI and snapshot deletion using a Bash script and integrating it with Jenkins.

Troubleshooting ETL batch issues on IBM MDM servers in banking.

Using baked AMI available in all AWS accounts, such as DEV,TEST,PPE and PROD we patch downstream applications like IBM MDM and IIS servers on a monthly basis.
Responsible for patching Oracle 12c instances running on standalone EC2 instances on a monthly basis.

Implemented and managed SSL certificate generation for hosted applications in AWS, ensuring secure communication and data encryption for banking applications.

Utilized AWS Certificate Manager (ACM) to provision SSL/TLS certificates and integrated them with Load Balancers to enable HTTPS traffic.

Participated in on-call rotation to provide 24/7 support for critical systems and applications.



Senior Software Systems Engineer

Sabre Corporation

Oct 2019 - Aug 2022 (2 years 11 months)

* Working on Amazon Cloud space to provision Infra stack using IaC tool Terraform/modules in setting up various environments like Dev, Cert, Pre-prod, Production. Also, setting up for 3-tier SaaS applications for the airline industry.

* A CI/CD solution powered by Jenkins with end-to-end automated configuration management powered by Ansible and the application deployment takes place on the Apache Tomcat application server.



Senior Systems Planning and Management

Sabre Corporation

Oct 2019 - May 2020 (8 months)



Senior Analyst

Dell EMC

Nov 2016 - Jun 2019 (2 years 8 months)

Experience in creating, configuring and maintaining Infrastructure on AWS Cloud services including, EC2, S3, Cloud Watch, IAM.

- Responsible for creating various dashboards, metrics, alarms and notifications for servers using AWS Cloud Watch.
- Created IAM policies, Roles and user management for delegated access within AWS
- Responsible for launching Amazon EC2 instances using AWS and configuring launched instance with respect to specific application and regions.
- Experience in working Ansible Adhoc commands to check the status of slave servers.
- Experience on pipeline and Auto deployment for our services in development, staging, and pre-production environment by using JENKINS
- Managing pom.xml for build, test, deployment activities for build tools maven.
- Involved in development of test environment on Docker containers and configuring the Docker containers.
- Maintaining 10 vCenter, 200ESX, 10 thousand windows VM servers & OS related issue.
- Building and provisioning of Virtual Machines in a standardized format.
- Cloning and re-imaging of VMs and deploying standardized templates for future use.
- Management and allocation of resources to the VMs including RAM, CPU, Disk Space and NIC cards.
- Analyzing, monitoring and fine tuning of VMs for optimal performance and providing resource consulting for applications.

- Configuration and management of HA and DRS clusters and implementation of FT for mission critical VMs.
- Up gradation activities including Operating System upgrades, ESX Server upgrades and vCenter upgrades, VMware Tools upgrades and Virtual Machine Hardware upgrades.
- Decommissioning of VMs, ESX Servers and vCenter's in a standardized format



Technology Analyst

Infosys

Jun 2016 - Nov 2016 (6 months)

Worked as a Technology Analyst in a Client Project called "TeleTech", wherein the ONLY one person who worked in OFFSHORE at Infosys, Bangalore.

It's a Bunch of services, being used by the Client Environment, need to be taken care.

Cisco UCS Manager, Blade servers and Cisco IronPort, vSphere products like VMware ESXi, vCenter, SRM, vROPS.

Worked on PowerCLI for the Virtual infra setting up

Create and Manage child domain under Teletech.com (sites and subnets creation) along with Creating a DHCP Scope for the Avaya IP Telephones

Most of my times spent with Customer issues remotely via Cisco WebEx.

New child domain, pushing GPO's, Printer Server configuration, Avaya configuration adding on DHCP server

Service Delivery Consultant -II

Hewlett Packard Enterprise

Jun 2015 - May 2016 (1 year)

Worked as a Service Delivery Consultant II in Hewlett Packard Enterprise.

Build and Configure ESXi in the client Environment based on Engineering team's proposal.

Regular patching for the ESXi and Hardware like HP Blades: ProLiant BL460c Gen8 Server

Started learning and working on PowerShell for the automated tasks.

Providing operational support for the customers as 24*7

Weekends support through ON-CALL, as it's rotated with in the team peers.



Systems Engineer

Capco

Oct 2012 - May 2015 (2 years 8 months)

Server Management -Windows , RHEL

- Windows OS,RHEL,SUSE OS, Level Incident/Production Management
- Design and implementation projects as per the customer requirement
- Installing, Configuring and Hardening of Windows 2003 / 2008 Servers
- Installing, Configuring and Managing Active Directory ,DNS DHCP,DFS, File, Print Services
- RAID Configurations and Disk management utilities tools
- Perform Security Health Check of Windows servers and other compliance related activities
- Controlled shutdown and restart of services and dependencies
- Daily Operating System alert handling and response

VMware Virtualization Administration – VMware/Window Hyper V

- Expertise in the installation, configuration, and administration of VMware ESXi/ESX 4.x/5.x, VMware virtual center
- Installation, Configuration, Administration and troubleshooting for VMware ESX servers
- Good Knowledge over Snapshots of Virtual Machines
- Hot and Cold Cloning of Virtual Machines
- P2V and V2V using VMware Converter
- Migration of Virtual Machines using VMotion
- Involved in New VMware Virtual Infrastructure designs
- Creating Clusters for High Availability and Dynamic Resource Scheduling
- Creation of Virtual Switches, Ports and Port groups (Management Network, VMkernel for VMotion & Virtual Machine)
- Creating vmfsDatastores by using the LUNs assigned by SAN
- Creating and managing Windows server 2003/2008 Virtual Machines and Templates
- Performance Analysis & System Performance



IT Systems Engineer

Allsec Technologies Limited

Apr 2011 - Mar 2012 (1 year)

Allsec is a place, where I started my IT career after completion of my Bachelor Degree.

I started working as an IT Systems Engineer and most of my day with End Users issues resolving.

Worked on creating and managing User accounts in ADDS

Configuring MS Outlook, MS communicator 2k7 and Skype for Business in End user's machine.

Taking up the user client issues and logging into their systems via Remotely.

Server Side Responsibility:-

Had a data center setup, where we have HP Blades and DELL Blades racked & stacked.

Worked on VMware ESXi installation and configuration. Managing the virtual infrastructure via vCenter

Deploying a VM from a template, create standard switch, distributed switch, Port group and move the vm's to the required VLANs as per the teams request.

Worked on many vm's migrations like COLD/HOT (Cluster to cluster)

Worked on the Existing infra like Active Directory, DHCP, DNS and GPMC

Worked on Windows Patching for the servers through WSUS

Education



Anna University

Bachelor of Engineering (BE), Electronics and communication engineering

2006 - 2010

Hello All,

I am Thangadurai and I have done my Bachelor of Engineering the stream of electronics and communication engineering in Selvam College of Technology under Anna University in the year of 2006-2010.

Final year of my engineering, I have presented a paper about in "Vehicle Accident Prevention Using Eye Blink Sensor".



Annai Matric Higher Sec.School

Higher Secondary , Maths-Biology

2005 - 2006

I have completed Higher Secondary (HSC) in Annai Matric Higher Secondary School at Harur.



Tamilnadu State Board

PUC, Mathematics

2003 - 2004

I have completed my PUC at GHS at Chinnankuppam.

Licenses & Certifications



MCITP - Microsoft

Issued May 2013 - Expires May 2015



VMware Certified Professional – Data Center Virtualization 2019 - VMware

Issued Mar 2019 - Expires Mar 2021

VMW-02220058W-02273326



Google Cloud Platform Fundamentals: Core Infrastructure - Coursera



Launch an auto-scaling AWS EC2 virtual machine - Coursera



AWS S3 Basics - Coursera



Linux System Engineer: Database Servers Using MariaDB - LinkedIn



Version Control with Git - Coursera



Getting Started with Ansible - Simplilearn

2607143



Ultimate AWS Certified Solutions Architect Associate 2021 - Udemy

UC-c08c2deb-adc5-4b9a-8a56-7f695a626152



DevOps Foundations: Continuous Delivery/Continuous Integration - LinkedIn



Terraform for AWS - Beginner to Expert 2021 (0.12) - Udemy



Terraform - From Zero to Certified Professional - Udemy



Hashicorp Certified Terraform Associate - KodeKloud

1331DE92E-780320033E-12CEAD886



Kubernetes for the Absolute Beginners - Hands-on - KodeKloud

1331DE92E-12D2743B1-12CEAD886



Ansible for the Absolute Beginners Course - KodeKloud

1331DE92E-12D18C3F9-12CEAD886



Docker for the Absolute Beginner - KodeKloud

1331DE92E-12D271DD2-12CEAD886



JSON PATH Quiz- FREE COURSE - KodeKloud

1331DE92E-12D361190-12CEAD886



AWS Certified Solutions Architect - Associate - Amazon Web Services (AWS)

Issued Jun 2022 - Expires Jun 2025

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Terraform Deep Dive - Pluralsight

d304dcd2-6fdd-4631-960d-f4be700251fb



Complete DevOps Ansible Automation Training - Udemy

UC-cd9f9557-2db5-45d2-9c47-7462b06738ba



Automation With Ansible Playbook - Udemy

UC-5af96edf-2741-4643-9c45-b7f609ecd571



Certified SAFe® 5 Practitioner - Scaled Agile, Inc.

Issued Apr 2023 - Expires Apr 2024

Skills

RHEL • Windows • Bash • IBM was • cicd • Ansibe • DevOps • Windows Server • DNS • ITIL

Honors & Awards



Earned "Employee of the month" award in Capco for (FY -2014) - CAPCO CEO

Nov 2014

MAJOR TASKS AND ACHIEVEMENTS:-

Six crew of IT TEAM at CAPCO has given flawless IT support to offshore employees & Clients Infrastructure Setup and Implemented for a Dedicated Offshore Development Centre for the Banking customers like CACIB and Morgan Stanley in a very Secure Manner.

In order to accomplish,

We made an IT Infra Design within the limited time and proven who we are. During Go-LIVE of the Project Clients arrived in Bangalore visited our ODC and Data Center.

Key Works:-

- 1) Data Center design - Includes routers, switches, firewalls, storage systems, server racks.
- 2) Redundant Power Sources
- 3) Cable Management Supplies
- 4) Computer & Network Equipment placing
- 5) End to end Testing

Have got an Appreciation mail from Clients & Recognized by CEO of CAPCO Mr. NEIL RAMACHANDRAN as "BEING APPRECIATED AND AWARDED BY THE CEO EMPLOYEE OF THE MONTH 2014".



Earned "On the spot" award in Dell EMC for (FY-2017) - EXCELLENCE @ DELL

Jul 2017

Being Appreciated by Team Manager for "Thank you for the remediation efforts for EMEA internal servers for the WannaCry ransomware Patching

Remotely installed and rebooted the servers using PowerShell approx.~500 Windows servers 2k8r2, 2k12r2.



Earned "Cause of applause" award in Dell EMC for (FY-2018) - Project Director

Sep 2018

Storage Migration and Decommission:

Migrated the customer VM workloads from Hitachi Storage Array to EMC VNX SAN Array (~1000)

I made a Custom PowerShell Script to decommission those LUN's (Unmount & Detach) on ESXi hosts, without any errors.

It saves time and cost for the Virtustream Cloud.



Thanks Award - Project Manager

Sep 2020

I'd like to thank this project team for their rigor, passion and partnership. The team, spanning members from several teams within TE&O, came together to methodically decommission over 1700 servers and other infrastructure hardware from the Carrollton and Plano data centers thus far in 2020. The effort continues and will result in the decommission of an additional 360+ servers and other HW by the end of November. Their efforts have resulted in approximately \$500K/month or \$6M annually in budget savings. Great job... you've been a pleasure to work with!