

# SANTHOSH DEEPU PATRAYUNI

Site Reliability Engineer, DevOps, Cloud Operations, Visualization Ops, Windows & Linux Administrator

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## PROFESSIONAL SUMMARY

Versatile Engineer with **vivid technical knowledge** and hands-on experience across different precincts and roles with **13 years of rich and insightful experience**. **Certified Professional in Kubernetes (CKA) and AWS (Solution Architect and DevOps Associate)**. Implemented **CICD solutions** for production infrastructure. Skilled at providing **End to End functions** like Programming, Public Cloud, Hybrid Cloud, Private Cloud, CICD, Design, Implement and Operations for critical and complex infrastructure. **Effective communicator** with a deep passion for technology, strong analytical skills, and ability to perform well in a team.

## DEMONSTRATED SKILLS

**Cloud Computing Capabilities** – Architected and Delivered migration of about **~15 different services** with complex infrastructure dependencies and requirements from on-premise infrastructure to **AWS**

**Automation & Scripting Skills** – Participated in all Innovation Days and some decent accomplishments are **Auto-Heal**, Chatbot with Slack, **One Stop HealthCheck**, Created Template patterns in CloudFormation and Terraform which are being used by different team in Intuit. Wrote many Python scripts during the AWS migration, Shell scripting with AWS CLI.

**Broader Knowledge and Technical Exposure** – Working on POC and exploring different tools and techniques like Docker & Kubernetes, Application level monitoring like ELK, Configuration management with Ansible

## WORK EXPERIENCE

### Senior Site Reliability Engineer

Oct 2012 – Till Now

*Intuit India Product Development Center Private Limited, Bangalore, India*

- Site Reliability Engineer working on AWS Migrations, Service/s Availability and build pipelines
- Completely **Designed, Architected and Implemented applications/key systems** from On-premises hosting to Amazon Web Services
- Used **CloudFormation and Terraform templates** for building the complete AWS Cloud infrastructure.
- Created **CI/CD pipelines** by implementing Continuous Delivery pipeline with customized Intuit specific CICD model by using tools like Jenkins, Code Pipeline, Spinnaker for rapid development.
- Currently working on **POC** for implementing highly available microservices running in **AWS, Docker and Kubernetes**.
- Wrote many **Python scripts** for automating many manual tasks both for AWS and On-premises network for reducing manual efforts and costs
- Expertise in many monitoring tools like **Splunk, Wavefront, AppDynamics, Check\_MK**
- Complete Project life cycle Implementation experience on **Server, Desktop and Application Virtualization**.
- Good Knowledge on scripting languages such as VMware PowerCLI, Powershell, VB Scripting, AWS CLI and batch scripting.
- Knowledge on Configuration tools and Source Code Management like Chef, Ansible, **GIT, Github**

### IT ANALYST

Jan 2011 – Oct 2012

*Tata Consultancy Services, Bangalore, India*

- Worked as **SME in VMware** and contributed during the complete Design, Planning, Implementation, Migration and Transition for one of the prestigious customers of TCS.
- Implemented **Private Cloud with Server & Desktop virtualization with Disaster Recovery** using VMware vSphere, vCloud, View & SRM

### VMware & VDI Administrator

Apr 2010 – Jan 2011

*Computer Sciences Corporation, Hyderabad, India*

- **VMware and Citrix VDI Administrator** responsible for deployment and support on all areas of Virtualization including VMware vSphere, **VMware**

## CORE COMPETENCIES

- Cloud Computing using **AWS**
- **Certified Kubernetes Administrator** (CKA)
- Containerization using **Docker** and **Kubernetes**
- **AWS Solution Architect** and **Developer Associate Certified**
- **Python** Scripting
- Configuration Management Tools like **Chef, Ansible**
- Monitoring Tools - **AWS CloudWatch, Splunk, AppDynamics, Wavefront**
- Source Code Management tools - **Git, Github**
- Container management - **Docker & Kubernetes**
- Private Cloud products - **vCloud Suite, Cisco UCS, OpenStack**
- Server **Virtualization** – **VMware, OVM**
- Desktop Virtualization - **VMware View & Citrix XenDesktop**
- Application Virtualization - **Citrix XenApp 5.x, 6.x & VMware Horizon 6.x**
- Scripting - **VMware PowerCLI, Powershell, Shell** scripting, Batch scripting
- **Windows and Linux** Administration
- **Private Cloud Computing** design, deployment, support & solutions
- **Infrastructure managed services** and **Data center transformation** for critical and complex infrastructure.

### View, Citrix XenDesktop

- Designed, Implemented and Administrated Desktop Virtualization using Citrix XenDesktop and VMware ESX for prestigious clients in CSC.

Web Servers like Apache,  
Tomcat

Core Services like DNS,

DHCP, AD Linux and Windows

### System Administration

Technical Consulting

Troubleshooting and debugging

Effective communication

Developer collaboration

Project planning

Performance management

Technical analysis      Trainer

### VMware Administrator

Sep 2009 – Apr 2010

Computer Sciences Corporation, Malaysia & Hong Kong

- VMware Administrator, part of **designed, architected and implemented complete VMware infrastructure** as per the customer requirement
- Involved in complete Project life cycle Implementation experience from Scratch Build, Configuration to the complete Deliver of VMware Infrastructure to Customer
- Implemented **Disaster Recovery** plans in ESX environment by setting up **DR site in Hong Kong**.

### System Administrator

Jul 2006 – Sep 2009

Computer Sciences Corporation, Hyderabad, India

- **Microsoft, Citrix & VMware Support Engineer** supporting North America region customer support calls for Managing, Administration and Troubleshooting of Microsoft Operating system, Citrix Presentation server & VMware virtualization related issues.

## CERTIFICATES

- Certified Kubernetes Administrator – (Certificate ID # CKA-1900-003711-0100)
- AWS Certified Solution Architect – Associate (Validation ID # HRP1LQN1JMQ1Q937)
- AWS Certified Developer – Associate (Validation ID # M8K17L7KCME4QBW8)
- VMware Certified Professional 6, 5.5, 5.1, 4 – Data Centre Virtualization (Candidate ID: VMW-01110546B-00367927)
- VMware Certified Professional – Cloud (Candidate ID: VMW-01110546B-00367927)
- VMware Certified Associate - Data Center Virtualization (Candidate ID: VMW-01110546B-00367927)
- VMware Certified Associate – Cloud (Candidate ID: VMW-01110546B-00367927)
- EMC - Information Storage and Management Version 3 Exam (Reg. No. # 295826853)
- Red Hat Certified System Administrator (RHEL 7) – (Certificate # 140-236-035)
- Citrix Certified Engineer (CCE in XenApp)
- Microsoft Certified Systems Engineer (MCSE)

## ACCOMPLISHMENTS

- Received **Star of the Quarter Award** on **Q4, 2014** and **Q1 2018** from Intuit
- Received **41 Spotlights** till now for exhibiting various technical challenges in Intuit
- Participated on **all Innovation Days** in Intuit and did many short-term automation projects
- Participated in **2 Hackathons and 2 Global Engineering Days(GED) challenges** till now in Intuit
- Received **Cash Prize Award** for completing the LLD in time from TCS.
- Received **3 Certificate of Excellence Awards** from CSC.

## INTEREST & PASSION

- Hacking to innovate and simplify by participating in Hackathons, Innovation Days, Engineering Days
- Learning & Delivering lectures, training programs on tech trends
- Build side projects (POCs) to keep busy and upto date with the current trends
- Created many technical documents shared both in Private and Public forums like Medium
- Self-Study on current technologies

## ACADEMICS

- **Master's Degree in Computer Applications** from an affiliated college of Andhra University in the years **(2003-2006)** with an aggregate of **75%**. I have consistent track record of percentages throughout my academic career.
- **B.Sc. in Computers Science** from an affiliated college from Andhra University in the years **(2000-2003)** with an aggregate of **75%**.