Curriculum Vitae

Name:	**SUDHAKAR TEKKALI**
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Citizenship :	Indian

PROFESSIONAL SUMMARY

- Overall **9+ years of professional experience in field of IT with expertise installation, deployment, build, release automation achieves with continuous Integrations / Continuous delivery (CI/CD) for on-premises, containerized, Cloud based Enterprise Applications and Cloud Native Databases.**
- Currently working as **Software Senior Engineer in DellEMC.**
- Graduated **European Master of Software Engineering at BTH University Sweden.**
- **2.0 years of experience on Kubernetes 1.15/1.16, OpenShift 4.2, Helm Charts, template.**
- **4.5 years of experience on Cloud Technologies such as AWS, Azure and GCP.**
- **4.5 Years of experience on DevOps tools such as docker, Ansible, puppet, Terraform git, Jira, Maven, Jenkins.**
- **4.5 Years of experience on Cloud Native databases such as MongoDB, Cassandra, PostgreSQL.**
- **2.0 years of experience on monitoring, alerting, logging frameworks such as Prometheus, Elasticsearch.**
- A Tech enthusiast with a strong desire to learn fast.

Openshift/Kubernetes roles:

- Delivered the Cloud Native Databases with Kubernetes Persistent Storage on Dell EMC VxFlex family whitepaper.
- Worked the deliverable as per the Jira Story.
- Identify the Hardware.
- Install, setup a cluster with 2-layer and HCI layer.
- Install, setup Hypervisor EXSI 6.5/6.7, KVM Rhel 7.x

- Deploy the virtual machines using vSphere 6.5 management as per the best practices.
- Deploy the Kubernetes / OpenShift on all the virtual machines as per the best practices.
- Configure the Kubernetes network plugins flannel, calcio etc.
- Install and deploy the Helm repository.
- Create dynamic volume, snapshots, deletion in VxFlex OS storage system using CSI (Container Storage Interface) driver.
- Deploy the Cloud Native databases (MongoDB, Cassandra, PostgreSQL) using Helm chart or OpenShift operators.
- Deploy and configure the Benchmarking scripts such ycsb, Cassandra-stress tool.
- Run the different workloads and get the performance results such Throughput, %Reads, %Writes, %CPU utilization.
- Compare the results with Benchmarking reference papers.
- Publish the White paper.

DevOps roles:

- Setup a cluster using BareMetal, AWS, Azure and GCP.
- Experience on Working with creating docker compose files, build, docker images, docker registry and handling multiple images primarily for middleware installations and domain configurations.
- Good experience in writing Ansible playbooks, helm charts, templates and yaml scripting.
- Good experience in writing bash and python scripting.
- Having experience in creating Jenkins Pipeline workflow using plug-in to integrate SCM Tools, Code Has Experience in Compilation and Building packages using Maven build tool.
- Having experience in build tools Such as Maven to generate project artifacts and troubleshooting in build issues.
- Experience in working on DevOps /Agile operations process and tools area (Code review, unit, test automation, Build & Release automation, Environment, Service, Incident and Change.
- Support the code builds by integrating with continuous integration tool (Jenkins) for automation of daily process.
- Written Maven Scripts, installed Jenkins, written shell script for end to end build and deployment automation.
- Branching, Tagging, Release Activities on Version Control Tools GIT.
- Responsible for user management, plug-in management, Build/ Deploy setup and end-end   job setup of all projects in Jenkins.

- Installation / Configuration of Nexus Repository Manager.
- Bug tracking using JIRA tool.
- Deploying the WAR, EAR, JAR files appropriately and setting up the Apache Tomcat, IBM instances.
- Good experience on monitoring, alerting, logging frameworks such as Prometheus, Elasticsearch.

WORK EXPERIENCE HISTORY

Duration	Company	Client/ Project Name	Role/Designation
April 2018– Till now	Dell EMC	VxFlex R&D	Software Senior Engineer
Aug 2017 – Mar 2018	Mphasis	CHARLES SCHWAB – FINANCE & CAPITAL MARKETING	Delivery Project Lead
Jan 2015 – June 2017	Wipro Technologies	UBS - CORPORATE BANKING	Technical Lead
Aug 2013 – Dec 2015	Mphasis	STANDARD CHARTED BANK - RISK MANAGEMENT AND COMPLIANCE	Delivery Senior Software Engineer
Jan 2013 – Jul 2013	Saviance Technologies	GOVERNMENT -UIDAI	Senior Software Engineer
May 2007 – May 2009	PB Systems Pvt ltd	Track Application – Supply Chain Management	Software Programmer

EDUCATION

Jan 2009 –Dec 2011   **European Master's degree** from the **Blekinge Institute of Technology (BTH) University, Sweden**.

May 2002 –Apr 2006   **Bachelor's Degree in computer science engineering** from JNTU University, India.

PAPER PUBLICATIONS

Jan 2020   Cloud Native Databases with Kubernetes Persistent Storage on Dell EMC VxFlex family

Jan 2019   Pivotal Greenplum on Dell EMC VxRack FLEX on DellEMC portal

Jan 2011- Jun 2011   Systemic Security-Master Thesis Swedish Army & BTH, Sweden, SWE; Real-Time Software Vulnerabilities–Attacks and Mitigation Techniques in Cloud Computing; Supervisor: Lars Lundburg School of Computer Science and

Communications (COM).Clients: Jens kvarnberg, Swedish Army Officer (JCDEC) and Ross Tsagalidis, Tele2 Project Manager.

CERTIFICATIONS

Red Hat® Certified Engineer (RHCE®)

ATP certified Quality Analyst for Quality Circles and Management (with new tools) – TQM

TECHNICAL SKILLS

Operating Systems	:	Window 2012/2016, Ubuntu 12.x/ 13.x / 14.x, CentOS 6x/7.x, RedHat 7.x.
Scripting languages	:	Bash Shell Script, Python Script, Yaml
Protocols	:	Http, Https, sFTP, XMPP, AS2, SMTP, Ftp, TCP, UDP
Continuous Development (CD) Build Tools	:	Ant, Maven 3.x/4.x, Gradle
Continuous Development (CD) Version Controls	:	SVN 2.x, CVS, Git
Container Orchestration/ Management tools	:	Dockers, Kubernetes, OpenShift
Continuous integration (CI) tools	:	ANSIBLE 2.x, Puppet
Monitoring tools	:	Nagios, Ganglia, Prometheus, Splunk, Elasticsearch
Bug tracking tools	:	Bugzilla, Redmine, HP Qc
Hadoop Distributions	:	Hortonworks (HDP 2.x), Cloudera CDH4/CDH5
Cloud Technologies	:	Amazon (AWS), Azure and Google cloud

ADDITIONAL INFORMATION

Language	English (Fluent) and Swedish (Beginner)
Driving License	B
Hobbies	Drawing, playing cricket, watching movies and Listening Songs
PAN CARD	AGHPT5591E
Passport Number	H6763060

Relevant certificates and references will be provided if asked for