



# PROFILE

Result oriented DevOps and SRE professional with total 12.5 years of IT holding 10 years of DevOps,2 years of SRE and Cloud with 1-year Onsite experience (Sweden).

# CONTACT

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# ACCOMPLISHMENTS

On the SPOT – TCS

Star of the Month – TCS

Star recognizer of BU - Capgemini Applaud recognition – Accenture Client Value Creation - Accenture Worked in Onsite location – Sweden for Ericsson

# CERTIFICATIONS

ISTQB Foundation Level Automation Practitioner Engineer

HARSHA MADDALI

SRE/DevOps Professional

# EDUCATION

**Bachelor of Technology – Electronics and Communication Engineering**

2007-2011

Completed with **81.83%** from V.R. Siddhartha Engineering College

**Intermediate Education – M.P.C**

2005-2007

Completed with **96.9%** from Aditya Junior College

# SKILLS

|  |  |  |
| --- | --- | --- |
| Languages | : | C, Java |
| Scripting | : | Python, Shell, HTML |
| Version Control | : | ClearCase, GIT, SVN, Bitbucket, GitHub, Tortoise SVN |
| Build Tools | : | Ant, Maven |
| Integration Tool | : | Jenkins, Team Foundation Server |
| Deployment Tools | : | Urban Code Deploy, Jenkins, XL-Deploy |
| Code Coverage Tools | : | Sonar, CheckStyles, PMD |
| Artifactory | : | JFrog and Nexus |
| Containerization | : | Docker |
| Orchestration | : | Kubernetes |
| Configuration Management | : | Terraform (Basics) |
| Cloud Technologies | : | AWS |
| Monitoring Tools | : | New Relic, AppDynamics, Sensu (Familiar), Splunk,  Grafana |
| Ticketing Tool | : | JIRA, ServiceNow |
| Documentation | : | Confluence |

**WORK EXPERIENCE**

**Ross Dress for Less - DevOps Lead – Team Lead through Accenture**

Oct’2021 – Present

Technical lead for DevOps and release planning activities.

DevOps activities include build, release, deployment, monitoring, reporting, cloud migrations and fixing of the possible environment errors by working with Dev and test teams

Release activities include proper release planning of the versions, planning, tracking, and working closely with Dev, Test teams and clients with all rollback schedule planned

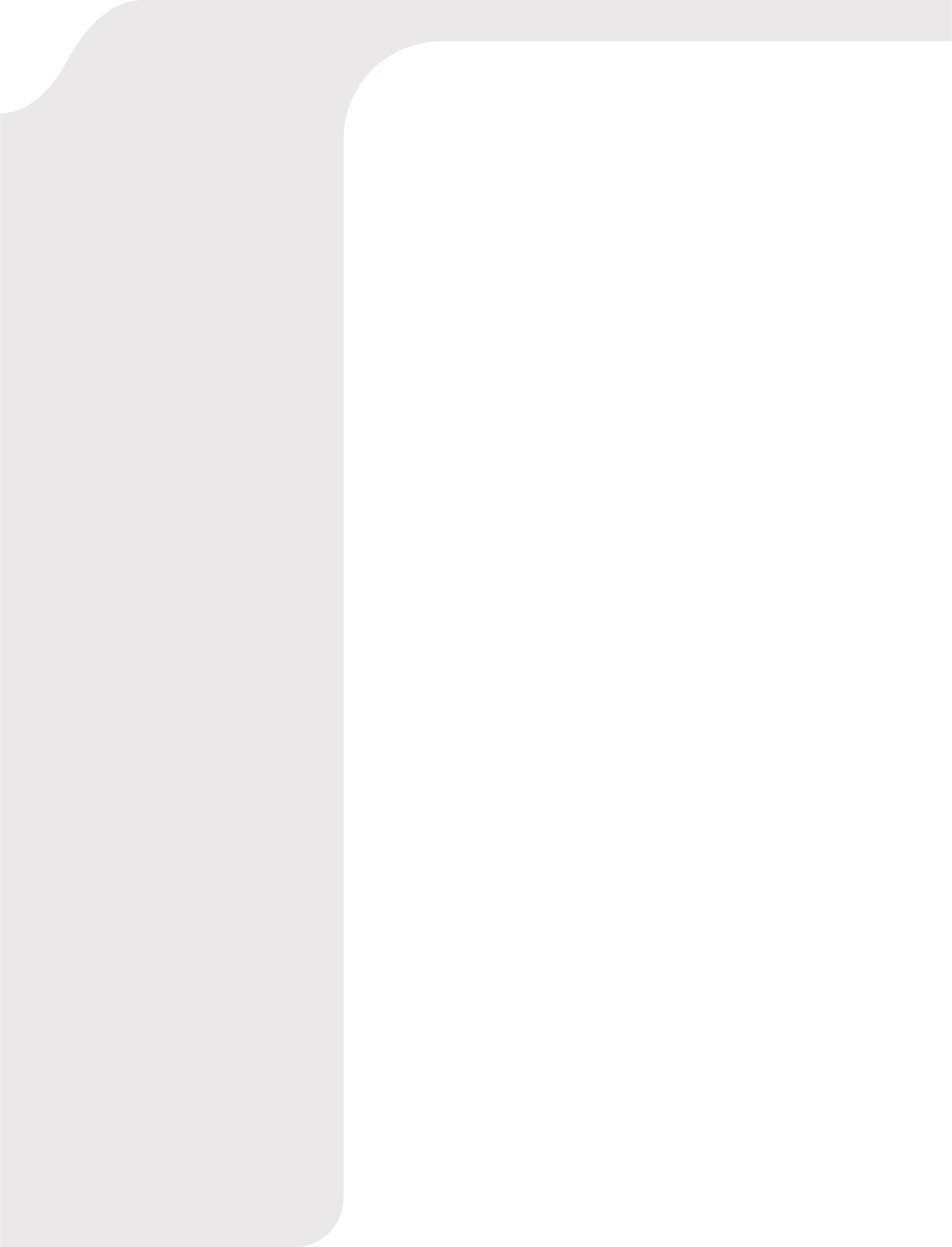
Writing new Jenkins pipeline and modification of scripts in both scripted and declarative model, modifying and maintaining the existing ones.

* Migrating the on-prem Jenkins jobs into AWS code pipelines along with suitable integrations.
* Managing the necessary key-value pairs and secrets using Parameter Store and Secrets manager and using them across other AWS services and environments for deployments.

Actively participating in the improvement discussions, escalation calls and fixing the problems from DevOps end along with identifying and proposing the failure reasons to Dev teams.

Responsible for making the tool stack up to date as per the requirements.

**Technology Stack**: Git, Jenkins, JIRA, Confluence, AWS

**RSA - DevOps Lead – Senior Consultant through Capgemini**

April’2021 – Oct’2021

Technical lead for Non-Functional and performance Testing on-premis and AWS cloud environments from DevOps activities. Responsible for environment maintenance, upgrades and risk analysis.

Primarily worked on Windows environment for which Team Foundation Server is used as build and deployment tool.

Identification of manual efforts and written PowerShell scripts which login into cluster servers, checking service statuses, restarting the servers and identifying basic failure mechanism by inspecting the logs.

Monitoring the DB maintenance scripts like shrinking, purging the old data, DB backup

Used AppDynamics as primary tool to monitor the errors on server, traffic load and configuring alerts based on threshold limits. Error analysis, improvements discussion and leading are the key focus area worked.

**Technology Stack**: Team Foundation Server, AppDynamics, Windows, SQL DB

**CWC – SRE / DevOps Lead – Senior Consultant through Capgemini**

Oct’2019 – March’2021

Technical and process contact for DevOps activities like Build, Release and Deployment of applications

Migration activity of Jenkins for about 300+ jobs including CI/CD Pipelines and various deployment supporting environments, plugins and necessities.

Ensuring minimum down time by monitoring mechanisms, monitoring scripts, backups and auto cleanup of stack on servers. (Reduced downtime from around 225 hours annually to 30 hours so far)

Monitoring applications using NewRelic which are deployed using XL-Deploy, finding the root cause of problem and handling them

Configuration management of existing servers using Terraform.

**Technology Stack**: Jenkins, NewRelic, XL-Deploy, Maven, Ant, Splunk, Terraform

**GE – SRE Lead – Senior Consultant through Capgemini**

April’2018 – September’2019

Prime for planning based on application requirement, developing the solution or script, executing, mentoring and supporting the SRE activities as lead.

Catching up with all necessary responsible teams and correcting the failures based on priority levels defined with all action plans and root causes.

Automated various manual project activities by designing and developing new python scripts which will take data from databases of New Relic via API calls and developing dashboards which save almost 800 hours yearly.

Analyzing the failures and re-designing Python and YAML scripts Creating Kubernetes clusters in local environments and in PROD of Blue- Green deployments.

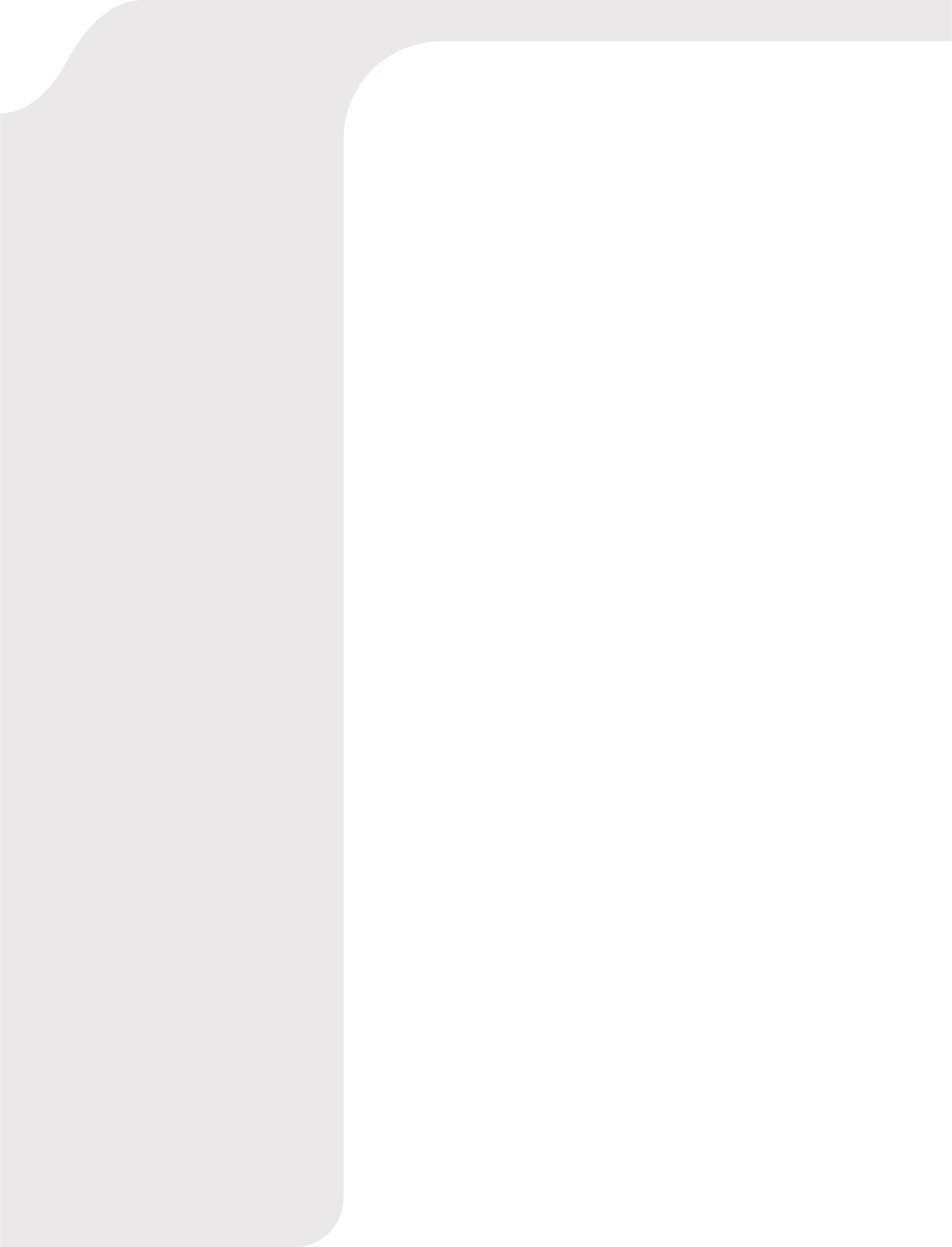
Deploying and maintaining docker containers onto servers on AWS Cloud using Kubernetes.

Maintaining Docker logs in different S3 buckets based on retrieval mechanisms.

Developing improvement scripts in Python using AWS Lambda services for minute POC activities before deploying

Developed dashboards using Python scripts in New Relic exposing Billing, Usage, Metric information related to applications deployed on AWS servers. Monitoring AWS Cloud Watch logs, analyzing failures and providing improvements

**Technology Stack**: New Relic, Python, HP Server Automation, Grafana, PostgreSQL, Shell, Sensu, GitHub, AWS, Docker

**Davita – Cloud DevOps Engineer – Consultant through TCS**

April’2017 – April’2018

Maintenance of GIT based release management processes including monitoring changes between releases

Worked on developing and maintaining CI/CD pipeline activities, setup, DevOps tools like Jenkins, Sonar, Nexus, GIT on AWS.

Automated nightly builds, Cron jobs and report mechanism reducing manual effort.

Creating Kubernetes cluster in local environments and maintaining in PROD Deployments and maintenance of Docker containers onto Kubernetes Objects in AWS using EKS and GCP Clouds

Logging, Monitoring, scaling up and down of resources based on loads using AWS services like S3, CloudWatch, ASG, Load Balancing

Developing and maintaining Cloud Formation Templates (Iaac)

**Technology Stack:** Jenkins, GIT, JIRA, GitHub, Bitbucket, Urban Code Deployment, Docker, Nexus, JFrog Artifactory, Python, Shell, AWS, Kubernetes, GCP (Kubernetes cluster)

**Ericsson – DevOps Engineer – Consultant through TCS**

January’2013 – March’2017

Responsible for setup of local environments for GIT, Jenkins, Docker, Sonar Periodically writing new scripts or updating the existing scripts in accordance with the new requirements.

Formulating the Jenkins jobs (pipeline) scripting suites by understanding the requirements

Reviewing code pushed using Gerritt (Internal Ericsson tool) and deploying applications onto Ericsson Cloud environments

Analyzing code quality using Sonarqube and improving the code quality Training prime in the team – responsible for competency building activities.

**Technology Stack:** Ericsson JCAT, Jenkins, GIT, Docker, Gerritt, Sonar, PMD, Shell, Python, Core Java, C, Maven, ANT, Ericsson Cloud

**Ericsson – Automation Functional Tester – Consultant through TCS**

April’2012 – January’2013

Worked on Operation and Maintenance (OAM) subsystem of the platform and played a major role in finding the system failures.

Reviewing the Function Specification document periodically and writing new manual and automation testcases using JUNIT framework in JCAT Configuring test environment according to the requirement.

**Technology Stack:** Ericsson JCAT, Jenkins, TCL2000