SATYA KARAN
Devops Engineer
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PROFESSIONAL SYNOPSIS

- ❖ A flexible, enthusiastic, and innovative with a very strong background in IT professional around **7+ years** of experience.
- ❖ Having **3+ years** of experience on **DevOps Engineering** practices involving with life cycle of software development such as Continuous Integration, Continuous Delivery, Configuration Management, source code management and infrastructure automation.
- ❖ Having knowledge on **Amazon AWS** services such as **EC2, IAM, VPC and S3**.
- ❖ Having good experience in enabling **CI/CD using Jenkins**.
- ❖ Having good experience in configuration and setup the configuration management tools such as **Chef and Ansible**.
- ❖ Having good experience in writing Ansible playbooks using variety of modules.
- ❖ Having experience in using variety of plug-ins in Jenkins.
- ❖ Having experience in building **Docker** containers.
- ❖ Having experience in writing **"Dockerfile"** for creating docker images.
- ❖ Having experience on Docker swarm, and docker-compose.
- ❖ Having experience on **Kubernetes** cluster environment.
- ❖ Having experience on source code management using **GIT or SVN (Subversion)** and maintain the repository on **GitHub or BitBucket**.
- ❖ Having experience in handling builds, deployments using **Maven**.
- ❖ Good knowledge on **Terraform** for provisioning infrastructure.
- ❖ Good knowledge of using various **Chef resources**.
- ❖ Good knowledge of using various **Ansible modules**.
- ❖ Ability to write chef cookbooks for automation of any tool.
- ❖ End to end understanding on Chef Ecosystem.
- ❖ Automation of deployment of the artifacts in DEV and QA Environment.
- ❖ Automate the installation and upkeep the builds and deploy the tools and dependencies.
- ❖ Ensuring **continuous deployment** of applications across environments.
- ❖ Issues and bug tracking of the application and environment on **Jira tool**.
- ❖ Application configuration in various platform, testing and troubleshoot.
- ❖ Automation of the tools or configuration settings with various scripting language such as **Python, Perl, or Bash (Shellscript)**.

CORE COMPETENCIES

❖ Linux / Unix (Redhat Linux, Ubuntu)
❖ Jenkins
❖ Maven
❖ Docker
❖ Chef
❖ Ansible
❖ Kubernetes
❖ Git (GitHub, BitBucket)
❖ Terraform
❖ Splunk
❖ Jira
❖ Python 2.7 and 3.7
❖ Perl 5.28
❖ Shell script (Bash, Ksh)
❖ Core Java
❖ MySQL
❖ Oracle SQL

CAREER CONTOUR

Employer	Client	Duration
DSS Software Solutions, Kuala Lumpur, Malaysia	Deputed @ Intel Corporation, Penang, Malaysia	July 2018 to Jan 2019
Scan IT, Bangkok, Bangkok, Thailand	Shipco Transport, USA	Mar 2017 to Dec 2017
Shipco IT, Pune, India		Dec 2017 to June 2018
Cognizant Technology Solutions, Pune, India	Credit Suisse, USA	Mar 2014 to Mar 2017
Capgemini India, Pune	Morgan Stanley, UK	May 2013 to Jan 2014
Ebusinessware, Mumbai	Deputed @ Nomura, Mumbai, India	Aug 2012 to Apr 2013
Persistent Systems Ltd	Yahoo, USA	Feb 2012 to Aug 2012
Artech Infosystem, Pune	Deputed @ IBM, Pune, India	Jan 2011 to Dec 2011

PROJECTS HANDLED

Project 1: Cheetah	**Duration:** 07 months
Client: Intel Corporation, Penang	**Company:** DSS Software Solutions

Responsibilities

- ❖ **Deploying and administering** the Production and back office servers.
- ❖ Taking care **build and release** in each sprint.
- ❖ Supporting the engineering team regarding the concept of implementation and migration of the best devops tools on the related field.
- ❖ Implementing the **automation** of the configuration settings using scripting languages.
- ❖ **Troubleshoot** and resolve issues related to application deployment and operations.
- ❖ Involved in configuration and setup of **Ansible**.
- ❖ Responsible to create Ansible playbooks for variety of requirements.
- ❖ Maintaining the **agile methodology** for automation development process.
- ❖ Building a fully functional **CI/CD pipeline using Jenkins**.
- ❖ Installation of variety of plug-ins in Jenkins.
- ❖ Configuration of GitHub **webhook** setup in Jenkins.
- ❖ Managed **container orchestration** using **Kubernetes**.
- ❖ Production Instances monitoring through **Splunk tool** then analyzed that log to understand, monitor and optimize the performance of the machines.
- ❖ Issue tracking in the **Jira tool** and maintaining the different phases of process cycle in it.

- ⇨ **Environment and Tools: RHEL 7, Python3, Bash, Jenkins, Git, Kubernetes, Ansible, Jira, Splunk**

Project 2: Phoenix	**Duration:** 1.3 year
Client: Shipco Transport	**Company:** Scan IT, Bangkok & Shipco IT, Pune

Responsibilities

- ❖ Have written many scripts using **Python or shell script** for automation of the application.
- ❖ Create and maintained the Cloud based infrastructure on **Amazon AWS** using different aws services.
- ❖ **Backup and recovery** of the servers on every weekend or in the maintenance window period.
- ❖ Managed the **disaster recovery** processes for maintaining the continuity of the infrastructure services.
- ❖ Followed the **agile methodology** for the process life cycle of the application and tools.
- ❖ Build the **java based application** war files using **Maven tool** which integrated with **Jenkins** and followed the **CI/CD process**.
- ❖ Worked on the provisioning, configuration setup and managing the **Chef cookbook** resources for the different IT infrastructure.
- ❖ Responsible to create variety of **Chef cookbooks and recipes** to meet the requirements.
- ❖ Managed the application images through the **Docker containers**, provided the right platform to the developer and QA team for their needful.
- ❖ Used **Docker Swarm** for clustering of the docker containers, also, setup and health checkup of the nodes.
- ❖ Issue and Bug tracked using the **Jira tool** and worked on the priority of the ticket.
- ❖ Played the key role in the meetings with the management and architecture team on the further devops practice for the smoother development life cycle of the application.
- ❖ Mentored the junior members with regards DevOps practices.

- ⇨ **Environment and Tools: RedHat Linux, Ubuntu16.04, Python3, Java, MySQL, Amazon AWS, Jenkins, Maven, Docker, Chef, BitBucket, Jira**

Project 3: Inquiry Report	**Duration:** 3 years
Client: Credit Cruise	**Company:** Cognizant Technology Solution

Responsibilities

❖ Followed various stages of test cases for the different modules and post successful of test cases deployed into beta version of application.

❖ Fixed up of the test environment and configuration of the applications.

❖ Setup integration pipelines from the **code repository (Git)** to build servers, test servers and production servers.

❖ Installation of variety of plug-ins in **Jenkins**.

❖ Taken care of **build and release** in each sprint.

❖ **Monitored** and tracked the **production batch jobs** in the Autosys monitoring tool and taken the necessary steps if any failure happened.

❖ Wrote the **JIL (batch instructions)** for the autosys jobs, test them in QA server and post then deployed them in the production batch jobs.

❖ **Automation of the application** processes using Perl and Moose framework.

❖ Developed many **SQL queries** which fetches data from Rainstore database.

❖ Followed the **agile methodology** for the software development cycle.

❖ Maintained the **scrum releases** in the application, became the **scrum master** many times and managed the scrum team.

❖ Knowledge sharing with other members in the team.

❖ Mentored the **Unix corporate training** as a trainer for the batches of around 20-30 students in Cognizant for the junior level training program.

❖ **Technologies: RHEL-7, Perl, Moose (Framework), Git, Jenkins, Shellscript, Rainstore DB, Autosys, Service Now**

Project 4: Risk Pricing System (RPS)	**Duration:** 8 months
Client: Morgan Stanley	**Company:** Capgemini Indian Pvt Ltd

Responsibilities

❖ Fixed the various bugs in the **Perl script** and also, wrote some script from scratch to automate the batch process on **Autosys**.

❖ Code checkout, commit and push the code into **Perforce** repository.

❖ Developed and automated SQL queries which fetches data from Sybase database.

❖ Conducted health check or **sanity check** of portfolio for different strategy.

❖ Supported the software process through improving the look and flow of process.

❖ Focused on user and system support, answering hotline calls, monitored system alerts.

❖ Comprehension of support tickets and resolved **within SLA** timeline.

❖ Update on status to manager and users through email and in-person communication.

⇨ **Technologies: Linux, Perl, Sybase, Shell script, Perforce, Autosys**

Project 5: PRISM	**Duration:** 08 months
Client: Nomura Bank	**Company:** Ebusinessware, Mumbai

Roles & Responsibilities

❖ **Enhancement** of the application modules and **Unit testing** of the code.

❖ Prepared the **TS and Unit test case** documents and **fixed the bug** in existing source code.

❖ Build the engine binary and processing the pricing flow through **Autosys jobs**.

❖ **Code checkout** and then developed the required code, post work we had **commit and push** the code into **SVN** repo on command prompt.

❖ Monitored the regular failures of the jobs (**Sanity check**) for the PRISM application.

❖ Monitored the **batch processing**, **JIL deployment** on Autosys tool.

⇨ **Technologies: Linux, Perl, Oracle 10g, Shell script, SVN, Autosys, Jira**

Project 6: Direct Delivery System (DDS)	**Duration**: 1 Year
Client: IBM, Pune	**Role:** Software Engineer

Responsibilities

- ❖ Involved in analysis and porting of existing DDS database flat files, Shell scripts to Linux platform from Unix platform.
- ❖ Enhanced the existing application and unit testing modules.
- ❖ Provided maintenance and resolved production issue.
- ❖ Attained training from senior members of the team.
- ⇨ **Technologies: Unix, Shell script, C++, Powerhouse**

Education:

- ❖ I have completed "Bachelor of Technology" in "Computer Sc. & Engg" from DRIEMS college, Cuttack, India.
- ❖ Also, completed "3 years diploma polytechnic" in "Computer Sc. & Engg" from RIT college, Rourkela, India.

Extra Certifications:

- ❖ Learnt the "Lean Six Sigma Yellow belt" certification from TUV-SOD.
- ❖ Learnt the "ITIL Foundation Training" from NovelVista, Pune.
- ❖ Completed Red Hat Certified System Administrator (RHCSA).

Availability:

- ❖ *Presently I am not working in any company, so I can join within 07 days.*
- ❖ *Open to relocate to anywhere in the world.*
- ❖ *Already I have worked in Thailand and Malaysia apart from India.*

Communication skill:

- ❖ Fluent in English, and Hindi
- ❖ Appeared **IELTS** (International English) exam and secured good band score (Overall band 6.5)
- ❖ Ich lerne **Deutsch** und habe das Niveau **A1** abgeschlossen.

Declaration:

I hereby declare that the above information furnished is true to the best of my knowledge and if anything found wrong I will be liable for it.

Place: India   **[Satya Karan]**