Venkat Rao P

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Bangalore

Phone: +91 9886987815

Mail to: potalavenkatrao@gmail.com

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Experience Summary:

- **8.5 years of total IT industry experience as SRE, DevOps engineer and Production on-call**
- Having 2.9 years of experience as SRE in PayPal
- Having 2.4 years of experience as SRE in Intuit.
- Having 3.4 years of IT industry experience as DevOps engineer in IBM
- Experience in automating production deployment by setting up CI/CD pipeline at Intuit using shell. python and Jenkins.
- 3 years of experience in setting infrastructure as code automation using terraform in AWS.
- Ensuring maximum uptime for global systems infrastructure across multiple data centers.
- 8 years of experience triaging various production on-call issues.
- 6 years of experience in setting up proactive monitoring and alerting system using Splunk/SignalFX, NewRelic, AppDynamic and Sitescope.
- 5 years of experience developing tools in python to provide developers better insight to application status in production.
- Debugged and Improved efficiency of application which calculates key availability metrics and publishes to visualization, monitoring, and alerting system.
- Debugged and resolved issues in the application related to NFS storage.
- Created POC for DynaCache using Websphere, which cached servlet response every second which highly reduced the number to hits to application and made the application stable.
- Practical understanding of Operating Systems, web servers, cluster management, auth/directory services, backups, SSL certificates, DNS, SNMP, SSH

Technical Skills

Business Domain:	Software
IT Domain:	SRE, Ops engineer, Build and Release Engineer, WAS administration.
O/S	Linux 6.8, AIX 6.1, AIX 7.1, Red Hat Linux, UNIX, Windows XP,2007
Languages	Core JAVA, Python
Web Technologies	HTML, JavaScript
Application Servers	IBM WebSphere Application Server 6.x, 7.x and 8.5, WAS Liberty, Tomcat and Spring-boot
Web Server	Apache Webserver, IBM HTTP Servers 8.x
Utilities	MS Office, MIRC

Scripting Language	Perl, XSLT, wsadmin, Jython, Jacl, Shell
Version Control Systems	RTC 6.0.2, GIT Hub and Perforce
Tool	Jenkins, Urban Code Deploy Ansible , Chef and Docker
Protocols	TCP/IP,HTTP/HTTPS,LDAP
Monitoring tool	Splunk, NewRelic, AppDynamics and SiteScope

Project Details:

Organization	PayPal

Project Title.	E-SRE
Role	Embedded SRE
Team Size	10
Period	18th Feb 2019 to till date
S/W & Tools	Python, Java, Shell Scripting. Multiple PayPal internal tool, Google Cloud, Linux
Project Summary	• Here we embed with multiple teams to find out existing issues existing in production related to their app, help team to resolve all the issue related to infrastructure and architecture. Then, train team to handle issues by themselves by automating stuffs.
Responsibilities	- Proactively creating efficient alerts for proper monitoring of the application. - Handling production on-call issues. - Analyzing root cause of recent issues and other issues which were in backlog from long time. - Providing solution to the various issues related to the application. - Providing solutions to better performance of the application in production. - Building tools to provide solution on infrastructure end. - Designed and implemented application to calculate and publish availability related metrics to monitoring and alerting pipeline (Splunk/SignalFX). - Debugging and Improving efficiency of application which calculates key availability metrics and publishes to visualisation, monitoring, and alerting system. - Debugging and resolving issues in the application related to NFS storage and Puppet. - Experience in setting up building pipeline using AWS ECR, ECS, Jenkins, and Docker. - Experience in infrastructure creation using VPC, EC2, Security group, Subnet and Loadbalancer.

Organization	Intuit

Project Title	ASC
Company (Vendor)	Prakat Solutions
Role	SRE and SCM engineer
Team Size	12
Period	20th November 2016 to 15th Feb 2019
S/W & Tools	Maven, Shell, Python, WebSphere Application Server 8.5, Linux 6.8 (Santiago), Splunk, NewRelic, AppDynamics, SiteScope, Netgenie, IBM License Metrics Tool, Jenkins. Ansible
Project Summary	• This application provides Intuit agents to manage intuit Merchants.
Responsibilities	- Optimizing existing builds (improving build execution time) - Capacity planning for existing build pipeline for Linux and windows servers - Handling production on-call issues, as L1, L2 and L3 contact. - Setting up build automation using Maven, Shell and Python. - Pre-identifying issues that might occur in builds and fixing them without affecting users. - Installation, configuration, troubleshooting, backup and recovery of multiple Application and Web Servers highlighting IBM WebSphere application Server and IBM HTTP Server. - Providing solution to the changes required in the code to make application work in Server.

- Managing users access to Perforce branches.
- Migrating build from Perfoce to GIT.
- Involved in code merge from dev to QA and staging to main.
- Managing Source code in GIT in different branches and providing user access.
- Creating and managing and baselining branches in GIT.
- Installation and configuration of IBM License Metrics Tools and managing reports.
- Create CI/CD pipeline in AWS using code build, code pipeline and code deploy.
- Create ECS cluster, service and tasks for existing project in AWS
- Uploaded docker image in ECR
- Created RDS with replication multiple regions.
- Created S3 bucket and provided appropriate roles for different set of teams.
- Enabling diagnostic and trace logging for the application and finding root cause of key production related issues.

Project Title	IBMid

Client	**IBM**
Company	Magna Infotech Pvt. Ltd.
Role	DevOps and Build and Release engineer
Team Size	12
Period	April 2013 to 18th Nov 2016
S/W & Tools	Ant Script, JACL, Java, AIX, WebSphere Application Server, IBM UrbanCode Deploy
Project Summary	• This application provides registration functionality for more that 80 IBM products and services, including Bluemix.
Responsibilities	- Setting up end to end DevOps model for the project - Pre-identifying issues that might occur in builds and fixing them without affecting users. - Installation, configuration, troubleshooting, backup and recovery of multiple Application and Web Servers highlighting IBM WebSphere application Server and IBM HTTP Server. - Worked as L2 support for production related issues - Providing solution to the changes required in the code to make application work in Server. - Creating and managing stream, component and baselines in RTC - Managing users access to RTC repositories, project area and team area - Managing users access to Perforce branches. - Managing users access to RTC repositories, project area and team area - Managing Source code in GIT in different branches and providing user access. - Performance tuning of application in WebSphere using DynaCache. - Enabling diagnostic and trace logging for the application and find root cause of key non- production issues.

Educational Details

Project Title	School/ University	Year of Passing	Percentage
B.Tech	JNTU, Anantapur	2013	70.2
12th	Zinc Smelter Snr. Sec. School, Vishakhapatnam	2009	79
10th	Andhra Association English School (ICSE)	2007	78