**SATHISH**
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**Professional Summary:**

* **14+** years of experience IT industry comprising of Development, Software Configuration Management, and Automation.
* **7+** years of experience in DevOps, SRE, Cloud Technologies.
* Working knowledge of cloud technologies like **AWS**, **GCP** - developing automation and processes to enable teams to deploy, manage, configure, scale and monitor their applications.
* Expertise in automating Infrastructure as a Code using AWS CloudFormation.
* Good understanding and working knowledge of DevOps concepts like CI/CD Build Automation, Release and monitoring solutions.
* Expertise in installation and implementation of logging & monitoring tools ELK (Elasticsearch, Logstash, Kibana), AWS OpenSearch, AppDynamics, Zabbix, Cloud Watch for infrastructure, Grafana.
* Experience in provisioning and administering Google Kubernetes Engine (**GKE**) in all environments including Production and implementing logging and monitoring solutions for GKE.
* Skilled in setting up and orchestrating Kubernetes Clusters from scratch on VMs and on Managed Services like Google GKE. Worked on clusters of size with hundreds of pods.
* Implemented **Incapsula** WAF to protects web content from malicious scraping, data mining, and unauthorized duplication.
* Exposed to all aspects of **software development life cycle (SDLC)** such as Analysis, Planning, Developing, Testing, Implementing and Post-production analysis of the projects.
* Experience in using **tracking systems** like JIRA, Rally, ServiceNow and Remedy
* Working knowledge of Agile/Scrum Methodology.

**Key Skills and Experience:**

**AWS**: CloudFormation, CloudWatch, S3, EC2, ELB, Auto Scaling, AMI, Route53, IAM and OpenSearch

**GCP**: GKE, Logging & Monitoring

**CI/CD Tools**: Jenkins, Maven, ANT, SonarQube, Nexus

**Version Control**: GIT, CVS, Subversion, TeamCity, Clear case and Perforce, Bitbucket

**Configuration Management**: Ansible, Puppet

**Automation/Build**: Jenkins, Docker, Puppet, Ansible, Nexus, Maven, Ant

**Container Tools**: Docker, Kubernetes, GKE

**Monitoring & Logging**: Elasticsearch, AWS OpenSearch, AppDynamics, Kibana, Grafana, Zabbix, CRIBL, JIRA, Rally, ServiceNow

**Scripting/Programming languages**: Core Java, Java/J2EE, Bash Shell, YAML, CFS, Groovy

**Operating Systems**: Windows, UNIX, RHEL

**Web Servers**: Apache Tomcat, Web logic, Web Sphere, JBOSS.

**Databases**: RDBMS, Oracle, MYSQL, DB2.

**Networking/Protocol**: Load Balancer (F5), DNS, SSL

**Certifications:**

* Cribl Certified Obervability Engineer (CCOE) User

**Professional Experience:**

***Client: Sabre, Southlake, TX Jul 2015 to till date***

***Role: Senior DevOps Engineer/SRE***

* DevOps Engineer for an e-commerce application team that involved different development teams, multiple simultaneous software releases and monitoring systems.
* Developed automation and processes to enable teams to deploy, manage, configure, scale and monitor their applications in data centers.
* Actively participated in high level team activities such as including architecture, process improvement recommendations and conducting tool evaluations, certifications.
* Owning the monitoring solutions like ELK, AppDynamics and creating the metrics dashboard for customers and service level.
* Expertise in creating Ingest Pipelines to ship the logs from application server to AWS OpenSearch. Used **Grok** patterns to format the documents/logs in ElasticSearch/OpenSearch.
* Experience in core AWS services (S3, EC2, ELB, Route53, VPC, auto scaling etc.) and deployment services (Cloud Formation) and security practices (IAM and Cloud watch).
* Played a significant role as a part of an engineering team designated to design a new platform to host applications on AWS and also set up VPN tunnels from corporate network to VPCs, also designed the Subnets, Routing and IAM policies in AWS.
* Involved heavily in setting up the **CI/CD pipeline** using Jenkins, Maven, GitHub, Puppet and AWS.
* Created Jenkins pipeline to automate the deployment of infrastructure and the application must be created and connected for seamless blue green deployments.
* Worked with Ansible YAML automation scripts to create infrastructure and deploy application code changes autonomously.
* Created monitoring dashboards in **GCP** for the log-based metrics and GKE.
* Implemented **AppDynamics** as a monitoring solution to capture the Business Transactions and Service Endpoints. Created various dashboards based on the analytics and metrics for the application.
* Implemented and supporting **Incapsula** as a Web Application Firewall for all Digital Experience customers.
* Worked on **SSL** cert installation and having good knowledge on **DNS** concepts.
* Good at Site Reliability Engineering (SRE) giving prompt support to production infrastructure and application and making sure SLAs and SLOs are reached. Developed many toil reduction capabilities and always worked within error budgets.
* Developed the scripts to disable and enable the System monitoring in **ZABBIX**.
* Helped in maintaining and improving the current infrastructure, implementing automation for Sabre processes, self-service tools and monitoring out internal applications to make sure the customers can enjoy the high availability they are used to when using our Sabre systems.
* Perform periodic system audits on all environments to ensure that only controlled versions of software reside all environments.
* Developed and implemented Software Release Management strategies for various applications.
* **JIRA/Rally/ServiceNow** is used as ticket tracking, change management and Agile/SCRUM tool.

**Environment:** Jenkins, Puppet, GIT, AWS, GCP, BIG IP F5, Java/J2EE, TOMCAT Server, ZABBIX, Perl Scripts, Shell Scripts, XML, UNIX, Windows 7, Linux, Oracle, JIRA, Service-now., Rally, YAML

***Client: South West Airlines (SWA), Dallas, TX Apr 2013 to Jul 2015
Role: Build & Release/DevOps Engineer***

* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Imported and managed multiple corporate applications into **Subversion (SVN).**
* Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes
* Developed build and deployment scripts using **ANT and MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and also automated the whole process.
* Created and maintained the Shell/Perl deployment scripts for **TC Server/Tomcat** web application servers.
* Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Installed/Configured/Managed **Jenkins CI Automation.**
* Responsible for the Plugin Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Installed/Configured and Managed **Nexus** Repository Manager and all the Repositories.
* **JIRA** is used as ticket tracking, change management and Agile/SCRUM tool.

**Environment:** Subversion (SVN), Jenkins, Java/J2EE, ANT, MAVEN, TC Server, Tomcat, Perl Scripts, Shell Scripts, XML, UNIX, Windows 7, Oracle, JIRA.

**Client: AIG Feb 2011– Feb 2013
Role: Sr. Build Release Engineer**

* Developed and supported the Software Release Management and procedures.
* Performed all necessary day-to-day **Clear Case (Base/UCM Projects)** support for different projects.
* Responsible for design and maintenance of the **Base/UCM** Repositories, views, and the access control strategies.
* Designed and implemented **UCM** metadata including elements, labels, attributes, triggers and hyperlinks.
* Implemented & maintained the branching and build/release strategies utilizing **ClearCase and Perforce/GIT**
* Used **ANT and MAVEN** as a build tools on java projects for the development of build artifacts on the source code.
* Automated the build and release management process including monitoring changes between releases.
* Deployed the Java applications into web application servers like **Websphere Application Server**.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Worked as **Build Forge Administrator** Responsible for Creating/Maintaining Libraries, Schedules, Projects, User Management, Environments and Build Farms.
* Installed and Configured **Nexus** for Dependency management and deployed artifact into **Web logic** Servers.
* Used **Cruise Control** for automation and CI related build and deploy activities.
* Troubleshoot tickets on the helpdesk tracking system. Used **Remedy** for IM/CR/SR tickets.

**Environment:** Perforce, GIT, ANT, Web logic, Cruise Control, Java/J2EE, UNIX, LINUX, Windows XP, ClearCase (UCM/Base), Maven, Build Forge, Clear Quest, XML, WebSphere, Oracle, Perl Script, Shell script, Nexus.

**Client: United Services Automobile Association (USAA) Nov 2008– Jan 2011
Role : Java Developer/Build Engineer**

* Written JavaScript functions to do client-side validation and **AJAX** functionality is used to get asynchronous data.
* Developed an application based on **Struts** 1.2 MVC Architecture.
* Designed and developed Customer registration and login screens using **HTML, JSP**, and **JavaScript**.
* Performed Branching and Merging using SVN.
* Created **ANT** build.xml’s from scratch.
* Used **Hudson** for Automation and CI Process. Performed Plugin Management and User Management on Hudson.
* Deployed artifacts in **WebSphere** application servers. Coordinate and Communicate with On-site/Offshore
* Involved in Analysis of the requirements, preparation of design strategy documents for all the impacted methods and End to end testing.

**Environment:** CSS, HTML, JavaScript,SVN, ANT, Hudson, Java core, J2EE, JSP, Servlet, IBM Rational Software Architect (RSA), WAS 6.0, Star team, PUTTY, Servlets, JSP, JDBC, Struts, Eclipse 3.

**Education:**  Master of Computer Application from SRM University, Chennai, TN, India.