



## Jagadeesh SIRIGIRI

### **Sr. Cloud Native Security Engineer - DevSecOps/DevOps**

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#### ABOUT ME: -

Innovative DevOps Engineer and a Big Advocate of Agile, DevOps & DevSecOps techniques with a strong background in Application/Production support in legacy & Data Center Cloud Operations along with People management skills with over all 10+ years of industry experience and 5+ years of experience in DevOps, IT Cloud Administrator implementing, and managing cutting-edge deployment automation of cloud resources.

#### WORK EXPERIENCE: -

- Presently working as **Sr. DevSecOps Engineer** at Aqua Security Software Inc. from **May 2021**.
- Worked as **Lead DevOps Engineer for Amadeus Software Labs** India Pvt Ltd – R&D Center Cloud Operations (Aug 2018 - Apr 2021).
- Worked as **Sr. DevOps Engineer** for **Amadeus Software Labs** India Pvt Ltd (Oct 2016 – Jul 2018).
- Worked as **IT Operations - Middleware Administrator & Application Support** for **Amadeus Software Labs** India Pvt Ltd (Mar 2013 – Jul 2018).
- **Lead Operations & Maintenance Engineer** with **Team lease & Ranstad** for **Indus Towers India Pvt Ltd** (Dec 2008 – Mar 2011).

#### EDUCATION: -

- **B.Tech Computer Sciences and Engineering** (2004-2008), from **JNT University, Hyderabad**.
- **Board of Intermediate Education, AP** (2002-04)
- **SSC: Board of Secondary Education, AP** (2002)

#### TECHNICAL EXPERIENCE AT A GLANCE: -

##### **Technology**

- Highly Experienced In RHEL and Solaris based **LINUX** Environments.
- Knowledge of **Cloud Native technologies** such as Docker, Kubernetes, Cloud Platforms, **Cloud Native Security ecosystem tools**
- Well versed in **Private and Public Cloud IaaS & PaaS. OpenShift** Administrations and Deployments
- Implementing DevOps practices (Continuous Integration, Continuous Delivery, One touch Deployment, Kubernetes Cluster, Scaling Pods services).
- Operational experience on monitoring and logging with tools like **JMX, Grafana, Splunk, Log stash, Prometheus** and integrating them with Cloud echo system.
- Extensively worked Server Installations, Configuration, Application components deployment, performance tuning including troubleshooting and maintenance on BEA **WebLogic** 11g Server, **JBoss**, **Apache** HTTP Server, iPlanets, WebSphere Application Server 7.x & Apache http server.
- Launching Amazon EC2 Cloud Instances using **Amazon Web Services** (Linux) and Configuring launched instances with respect to specific applications.

- Good working knowledge and maintenance of **Microsoft AZURE Cloud** services for B2B Applications.
- Maintaining scripts to automate the functionality as well as automation of time consuming, error prone tasks associated with the deployments.
- Excellent Customer communication skills and Relations and Proven experience on People management and Mentorship Skills
- Knowledge on webserver and **Unix/Linux admin**, scripting languages Shell Scripting, Python basics
- Expertise in JaaS setups and Implementation of pipelines using **Jenkins** using CD/CD and using Artefactories like JFrog
- End to End Knowledge on the **Release, Implementation and Deployment, Configuration Management** Modules using Agile Methodologies.
- Implemented Full **Disaster Recovery** for Critical Application in Cloud environments for highly complexed Airline customers.
- Worked on **Git, Bitbucket, JIRA, Jenkins Pipeline**.

## ITIL

- **Effective Change Management** using Change Control tools like (Jira, CCR etc.).
- **Effective Source Control Management** using tools like GIT, PVCS, SVN, and Microsoft VSS.
- **Effective Incident Control Management** using tools like BMC Remedy, Winapproach and Jira (Recording Incident, Impact to customer, RCA, Corrective Preventive Actions, Generating Service Exception Report)
- **Effectively Prepare Customer Bulletins** for Incidents & Planned Maintenances to various internal teams and also to external customers.
- Effectively Document & Knowledge Share using tools like Confluence/SharePoint/Microsoft One Note
- Good in Designing **KANBAN Dashboards**, Agile Process, Execution of Projects in Sprints and Agile Scrum Methodologies.
- Managing priorities as necessary to meet departmental **KPIs** (Key Performance Indicators).

## Certifications

- **AWS SYSOPS** associate Certification
- Certified **ITIL** Foundation Engineer
- Certified **Akamai** Administrator (Akamai Terra Alta Enterprise)
- **Aqua 101** - Cloud Native Security Product Certification.
- **Aqua ESE-CCE** Support Certification.

## People Management Skills:

- Participate in project planning, providing leadership and support to ensure business objectives are met.
- Assign individuals and collaborate with other leaders to allocate employee resources in a manner that meets corporate, project/account, and individual development needs.
- Establish clear performance expectations, hold people accountable for results and provide employees feedback to improve performance.
- Recognize contributions by employees and teams.
- Support change, encourage employees to innovate, evaluate suggestions, and remove obstacles to implementation.
- Mentor and coach employees to assist in developing skills and capabilities to best meet their career desires and current or future business needs.
- Involve in biweekly Leadership meeting and present the initiatives taken by team as part of improvements, Sharing the weekly reports on project status to Higher Managements.
- Initiate Cross functional and divisional collaborations of the teams to have smooth execution of project

## Trainings:

Redhat Certified Trainings:

- JBoss Application Administration 1(EAP 6.0)
- RHEL System Administration 1
- Apache Webserver Administration 1
- OpenShift Enterprise development
- CPISI from PCIDSS
- A3 Thinking

## WORK EXPERIENCES

### Aqua Security Software Inc

**Current Role: Sr. DevSecOps**

**Designation: Technical Staff**

**Cloud Native Security ecosystem:**

**Responsibilities:**

- Becoming and remaining a trusted technical advisor to Aqua Customers, staying current on the ever changing and evolving state of technology both within and adjacent to the Aqua platform.
- Maintain a broad and deep technical understanding of the Aqua Security product line and the underlying technologies and protocols.
- Managing a portfolio of customers and ensuring that technical on-boarding and deployment of Aqua products is achieved.
- Design customer solutions using Aqua patterns and deployment standards.
- Replicate integration scenarios with variety of ecosystem software.
- Drive resolution of customer problems from first awareness to final solution.

**Tools and Technologies:**

- Container technology and Orchestration - **Docker, Kubernetes, OpenShift.**
- Deployment tools and cli - **Helm, Kubectl, Openshift oc, Kubernetes Operators.**
- Cloud Environments - **AWS, GCP, Azure**
- systems administration - **Linux, Unix or Windows**
- Collaboration and project management tools - **FreshDesk, Jira, Asana, Microsoft 360, Sharepoint**

Managing

### Amadeus Software Labs India Pvt Ltd:

**Current Role: - Sr. Lead Cloud and**

**DevOps Engineer Designation:**

**Member Technical Staff**

**Cloud Application: - Selling Platform Connect (SECO) – Nextgen booking platform for Retail**

**Travel Agencies. Responsibilities: -**

- Design/Model Existing Application into Containerization using Docker and orchestrate Containers using Kubernetes Cluster/OpenShift with the help of CI/CD.
- CDM (Cloud Delivery Manager Role) – Responsible for Provisioning, Upgrading, and Decommissioning of the Cluster Quota on PaaS.

- Architect – Design/Architect & Capacity Plan the Environment Definitions and Implement Critical Components as Multitenant and Individual Components as single tenant Architecture.
- Automation – Design/Write Automation for Various Provisioning relating to Application and third-Party Setups using Scripting
- RM – Release Management – Did full end to End Release after the Development Release the Candidate Build. In this Process, I did Automate Packaging, Automating Moving Artifacts to Depot Source Control.
- Documentation – Effectively Document Confluence/SharePoint/Microsoft One Note and made the execution of the tasks in my Absence.
- Production Support – Manage & Support Current Production Environments Day to Day tasks in Private Cloud for Industry.
- Agile Scrum – Create & Manage Stories for the Projects and Releases and Effectively divide them into sprints and Effectively Managed with Daily scrum Meetings as Synch up calls.
- Monitoring – Develop a Monitoring solution and exporters using Prometheus, visualize using Grafana and Splunk Dashboards.
- CI/CD – Design Pipelines for Operability, Build and Deployment and Orchestration.

**Former Role: - Lead DevOps Engineer.**

**Responsibilities: -**

- Support Amadeus Private Cloud Operations for Application Support for Amadeus Airline distributions systems Product called “SECO”.
- Involved in developing the philosophy with Project – Praxis - to build an application into self-contained BitBucket repository, which will not only contain the application code or packaging, but also its configuration.
- Maintain configuration knowledge of system across environments, Responsible for Deployment Automation using multiple tools Jenkins, Pipeline, IT Scripts and Implemented & maintained the branching, merging and build/release strategies utilizing GIT.
- Handling the Configuration Change management for every Release and Service Pack. Responsible for Releasing Planning and Co-ordination with multiple stake holders to have successful planning.
- Tier 3/4 Application support dealing with Escalation requests /issues related the Application issues, Memory leaks, Monitoring Grafana and Splunk Dashboards, Oracle Database SQL slowness, Backend Reporting Performance issues.
- Involved in writing scripts for doing bulk migrations.
- Thoroughly Follow the Process related to Cloud Change Control using Jira, Source Control using Bitbucket, Incident Management using Winapproach.
- Effectively implement/Follow Process for taking servers out of rotation from a cluster and doing the mini maintenance or at the time of Deployment.
- Involve Monitoring Alters in CPU/Disk/Memory alerts/ Monitoring DB Performance / Analysis / DB usage stats.
- Effectively involve in Maintenance tasks for entire POD Full Downtime or Datacenter downtime.
- Handling the Network connectivity Request, along with maintaining F5 Configurations, Pool creations for the new VIP Migrations.

**Amadeus Software Labs India Pvt Ltd:**

**Projects: Amadeus distribution**

**systems. Role: - Sr. DevOps**

**Engineer**

**Designation: Senior Software Engineer**

- Acted as single point of contact for the primary product, responsible for requirements gathering, analysis, designing, quality, deployment, Gathering Project Metrics and supporting the application.
- Involved in developing the philosophy with Praxis to build an application into self-contained BitBucket repository, which will not only contain the application code or packaging, but also its configuration.
- Introduced the concept of operability pipelines over OpenShift onto containers, which are a collection of Jenkins jobs designed for specific operability use cases.
- Pipelines to retrieve information from a pod/deployment; Pipelines to trigger a specific process in a pod/deployment.
- Tracking the Operational issues and benefits with Praxis, the goal is to address in a meeting all issues and

benefits that come with the migration to praxis with Prod Support Team. Through knowledge sharing and providing feedback, we aim at transitioning to a dev-ops mindset.

- Proposed the concept Infrastructure pipeline resulting in the enhancing the supporting the activities of the developers, QA and production analysts, like managing the JBoss and apache containers.
- Responsible for the Pipeline seco-infra management.
- Handled a project module to publish secret templates on artifactory & publish config maps for all flavors on the artifactory.
- Enhanced the artifact promotion process for the Amadeus cloud services for the ACS components, environment blueprints and cloud alerting with respect to the SECO-PRAXIS project.
- Introduced the concept of the Idea-box over confluence as a practice into CI/CD, to involve all the cross teams to propose and develop the user-stories.
- Responsible for QA and DFP requirements for Praxis.
- Share experience (positive or negative) with Praxis through GoReflect (what worked & what doesn't).
- Discuss potential new issues that happened on Production (prd/uat/acc) and review the list.

## **Amadeus Software Labs India Pvt Ltd:**

**Projects: Amadeus distribution systems(e-Travel Management, Check My Trip, LC2A & Open Profile Suites) Role: - Application Support and Maintenance**

**Designation: Senior Software Engineer**

### **Build/ Release, Source code management, Continuous Delivery and Agile.**

- Configuration management services focused around Subversion, Git+Bitbucket, and Nexus.
- Maintaining and administrating the source code using Clearcase, GIT and Mercurial.
- Performed SVN-GIT Migrations; Sonar, Jenkins, GIT project setup and plug-in upgrade.
- Maintaining all the configuration management tools like SVN, CVS and GIT.
- Effectively worked in implementing SCM using Clearcase tool.
- Responsible for delivery of the software version to various environments.
- Handling the nightly and weekly Buildbot, back out the changes or inform the developer for any build failures.
- Developed enhanced Jenkins Plugins for the existing development and continuous integration environment.
- Distributed version control system implementation, maintenance & support
- Support and assist developers, QA to use the above tools.
- R&D to find/better build & release management / Quality assurance / Server monitoring tools.
- Document best practices/upgrade steps/tool info in internal/public wiki (Opera communities)

### **Application Support: Altea Reservation Desktops**

**Solution Environment - Weblogic 11g, JBoss, Java, J2EE, Apache, iPlanet, IIS, SQL Server.**

- Responsible for providing L3 Support to the web base applications/Middleware & Platform.
- Served as Release Manager for the small products like CheckMyTrip, OpenProfileSuites on local chance control board.
- Responsible for evaluating Farm monitoring report which is the collecting of the meta health checks on various JMX metrics across the production farms.
- Handling Production Incidents and PTR's. Pro-active PTR's creation for production issues.
- Production system monitoring using in-house tools and report generation.
- Packaging and Releasing activities using ALP, jobber and SDS tools.
- XX1 Configuration management & Network Implementation – FW requests handling.
- PCI-DSS Scan, detection and report generation.

**References:** Available upon request