**Srinivas Vaddadi**

**Sr. CloudDevSecOps Architect**

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**Professional Summary**

Skilled Senior Cloud DevSecOps Architect with over 8+ years of solid experience supporting, automating, and optimizing mission critical deployments in AWS and on-premises leveraging configuration management, CI/CD, and DevOps processes for Healthcare, Supply chain, Government and Banking sectors. Lead and supported different application teams in various cloud platforms such as AWS, Azure and Google Cloud.

* Experience with **installation, configuration** and **maintenance** in CI technologies like **GitLab**/**Bamboo**/**Jenkins/Hudson** performing **end to end automation** for builds and deployments.
* Extensive experience with **workflow, infrastructure automation, cookbooks, installation, DK tools, test kitchen, troubleshooting, cookbook development and deployment, extending Ohai, knife plugins and Chef API.**
* Experience in **Linux System Administration, Build Engineering** & Release Management process, including end-to- end code configuration, building binaries & deployments and entire life cycle model in Enterprise Applications.
* Hands on experience on source control tools like **IBM Clear Case, Perforce, Tortoise SVN, CVS** and **GIT** having worked on branching, merging and tagging strategies.
* Manage development and test infrastructure evolving **Jenkins** on branch management based on **version control** and **build retention.**
* Gather the **technical requirements** for the development teams and build the Continuous Integration and Continuous Deployment Pipelines for deployment of the code.
* Artifact deployment by use of **MAVEN** and **ANT** as build tools.
* Experience with Virtualization and Open Source technologies like **VMware, OpenStack, Cloud Stack, Microsoft Hyper-V.**
* Experience designing, integrating, and managing complex infrastructure solutions (e.g. **VMware, Citrix, Multi-Cloud, Hybrid Computing**, etc.).
* Create Process Maps and **Technical Design documents** for the developers to work on writing the code that includes programming languages like **C++, Java, and Python**.
* Experience in designing and implementing Cloud Automation and orchestration framework in private/public cloud environments involving **AWS APIs, OpenStack, VMWare, Chef, Puppet, Python, Ruby, Azure APIs and Workflow Engine.**
* Designed **Ansible Playbooks** for zero-downtime installation, upgrade, downgrade, and uninstall processes with MySql and Redis.
* Container based architecture and deployments (**Docker, Ansible**, etc.).
* Experience with administering the web servers like **Apache and Tomcat.**
* Experience with change management tools like **Service now, ITIL** and experience with JIRA.
* Participate in **on-call support** after hours and weekends depending on the project requirement.
* In depth knowledge of Information **security practices and** compliances.
* Ability to quickly understand, learn and implement the new **system design**, data models in a professional work environment.

**Technical Skills:**

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| --- | --- |
| **Hardware / Platforms** | Ubuntu, RedHat OpenShift, Windows and Linux |
| **Version Control Tools** | SVN, Git, Git GUI, Git bash |
| **Programming /Scripting Languages** | JAVA, JavaScript, Python, Shell Scripting and PERL scripting |
| **Change Management & Defect Tracking Tools** | HP ALM, Jira, Splunk |
| **Build Management Tools** | Maven, MS Build, Gradle |
| **CI/CD Tools** | Jenkins, Hudson, Travis CI and Bamboo |
| **DevOps Tools** | Ansible, Jenkins, Docker, Docker Server, Puppet, Nexus server, Git, bitbucket cloud, Splunk, Vagrant |
| **Application Server** | Apache Tomcat, JBoss Enterprise and IBM WebSphere |
| **Cloud Platforms** | Amazon Web Services (AWS), AWS Elastic beanstalk and Azure. |

**Education:**

* **PhD** in **Information Technology** – Anticipated Graduation – Summer 2023.
* **Master of Business Administration**.
* **Master of Science in Information Systems**.
* **Bachelor of Engineering(B.Tech)** in Information Technology.

**Professional Experience:**

**ADP Inc, Roseland, NJ**

**Principal System Reliability Architect**

**ADP’s Risk and Reliability Platform April 2022 – Current**

* Lead the **security initiatives** and **application security** initiatives roll-out across ADP’s enterprise application teams.
* Lead the **Infrastructure security and the best CICD** practices for all application teams across AWS, Azure, GCP, Oracle and IBM clouds.
* Lead the internal ADP’s security initiatives activities such as **Cloud Operations, Cloud Security** and **Cloud Infrastructure** and guide fellow Development team engineers with technical implementations by providing architectural guidance.
* Provide **Security Consulting Services** to ADP’s development teams to help them improve their cloud-based applications overall security posture.
* Work alongside cross functional teams to enable developers to **discover** and **remediate** application security vulnerabilities early during the development stages
* Emphasize **Security by Design principles** by helping App Dev teams to integrate security into their application by following a shift-left mechanism.
* Participate in security operations committee for the internal application teams and implement security best practices across **cloud infrastructure** and CICD pipelines.
* Partner with **Global Security Organization (GSO)** for kicking off new security initiatives and perform application security analysis through internal tools.
* Build custom **security dashboards** and metrics for assessing the security state of applications and provide presentations towards the room for improvement with App Dev teams.
* Work with the App Dev teams to determine the **DevSecOps maturity** and overall effectiveness of the current state of the application.
* Work with the Global Security organization and **DevSecOps Tools** team to evolve a **Security by Design culture**.
* Take developers from **app dev teams** across ADP on the journey with security initatives and be an agent of change.
* Evaluate **new tools, policies,** and **standards** internally that can be used by the App Dev teams and work on evaluating the tools by the vendor.
* Decreasing overall lead time from idea to customer service.
* Provide **continuous feedback** from the services and applications back to developers.
* Evangelize **SRE and DevOps** through workshops and training sessions.
* Assist in documenting **and implementing processes, workflows**, user manuals and present to stakeholders as necessary.

**Environment:** SonarQube, AWS, Azure Cloud, Google Cloud, Application Security, JIRA, Infrastructure Security, MYSQL, Redis, Docker, Kubernetes, Infrastructure as a Code Scanning, Static and Dynamic Scanning Container Scanning.

**Anthem Inc, Norfolk, VA**

**Configuration Engineer Senior Advisor**

**IngenioRx Cloud DevSecOps October 2020 – Current**

* Lead the **continuous integration** and **continuous delivery** concepts and practices (CI/CD) for 12 application teams.
* Lead the **Cloud Adoption, Cloud Enablemen**t and **Cloud Implementation** practices for all application teams across AWS, Azure, GCP, Oracle and IBM clouds.
* Lead the Anthem’s Cloud Enablement activities such as **Cloud Operations, Cloud Security** and **Cloud Infrastructure** and guide fellow DevOps engineers with technical implementations by providing architectural guidance.
* Administer, design, install and configure applications on **Docker** containers on **OpenShift** and different **Cloud** container services.
* Support the application teams with **Cloud Operations** and participate in technical **cloud design reviews** and provide necessary guidance to the application teams with respect to the **architecture**.
* Work on systems administration for virtual servers operating **RHEL, Windows, UNIX**-like systems, etc and maintain internal Sandbox servers and their applications.
* Perform automation jobs and write cron-jobs in **PowerShell, Terminal** and **Command Prompt** for automation of application process.
* Lead and created automated pipelines using GitLab as a tool for **Continuous Integration** and **Continuous Deployment** practices.
* Administer CI server/orchestration products, such as **Jenkins, Bamboo, TeamCity, XL Release/Deploy** to automate software delivery and incorporate disparate pieces of software delivery pipelines
* Manage DBMS systems like **SQL Server, Oracle, DB2, MySQL, Sybase, MongoDB, and PostgreSQL** as they relate to application development.
* Implement best ‘*Configuration Management’*automation and best practices with tools like **Ansible, Puppet, Chef, Salt**
* Worked in ‘*Infrastructure as Code’*, automation and best practices using **Terraform, AWS CloudFormation, SaltStack**, etc.
* Working with build Scripting tools/task runners like **Gulp, Grunt, Psake, Maven, MsBuild** and automating package/dependency management using tools like **NuGet, npm, JFrog Artifactory,** etc
* Working with middleware/application servers like **IIS, Tomcat, nginx, WebSphere**, etc.
* Deep Experience in integrating static code analysis for security/quality with tools into CI/CD pipelines with tools like **CheckMarx**, **Veracode, SonarQube**, etc.
* Implement container orchestration systems such as **Docker Swarm** or **Kubernetes** both **on-premise** and on **Cloud** Environments**.**
* Support different trains across the company in setting up their **CI/CD pipeline** and help the developers with any troubleshooting issues.

**Environment:** Subversion, GIT, Jenkins, ANT, MAVEN, JIRA, AWS, Apache, Ansible, Tomcat, Red hat, Linux, Perl Scripts, Shell scripts, SonarQube, MYSQL, Redis, Docker, Kubernetes, Bash.

**Anthem Inc, Norfolk, VA**

**Configuration Engineer Advisor**

**Anthem DevOps COE May 2019 – Current**

* Thoroughly work in **continuous integration** and continuous delivery concepts and practices (CI/CD).
* As a member of **DevOps COE**, determine the **development practices**, **code migrations** and other technical standards to the developers as defined.
* Work on different **AWS environments** and support the application teams in migrating their applications to different cloud environments.
* Work on multiple environments such as **OpenShift AWS/On-Prem**, different **Sandbox** and **Windows** servers in the **DevOps COE** and **Government Business Division** teams.
* Experience in an interpreted language like **Python, Ruby, Node.JS** and working with **Docker containers**—administration, use, and design.
* Work with source control management systems such as **Git, Subversion, and TFS.** Strong understanding of Git branching strategies and workflows.
* Perform **code migrations** for the development teams, which includes but not limited to merge and **version code** for production builds.
* Experience working in systems administration skills for virtual servers operating **RHEL, Windows, UNIX**-like systems, etc.
* Deep expertise in **Linux shell scripting** and **Windows shell scripting** (PowerShell & cmd)
* Worked with CI server/orchestration products, such as **Jenkins, Bamboo, , XL Release/Deploy** to automate software delivery and incorporate disparate pieces of software delivery pipelines
* Work with DBMS systems like **SQL Server, Oracle, DB2, MySQL, Sybase, MongoDB, and PostgreSQL** as they relate to application development.
* Supported project releases around the areas of **code and data management** and follow the guidelines outlined by DevOps COE.
* Experience in ‘*Configuration Management’*automation and best practices with tools like **Ansible, Puppet, Chef, Salt**
* Work in ‘*Infrastructure as Code’*, automation and best practices using **Terraform, AWS CloudFormation, SaltStack**, etc.
* Deep Experience in integrating static code analysis for security/quality with tools into CI/CD pipelines with tools like **Veracode, SonarQube**, etc.
* Prepare and maintain **design documentation** for defining the requirements of the given environments to draft changes, additions to the **lower level environments**.
* Experience with automating developer local environment workflows using tools like **Vagrant**, etc.
* Experience with container orchestration systems such as **Docker Swarm** or **Kubernetes**
* Expert automating testing functions for ‘*Continuous Testing’* implementation—such as writing unit, integration, or regression tests with **Junit, Nunit,** etc.
* Support different trains across the company in setting up their **CI/CD pipeline** and help the developers with any troubleshooting issues.

**Environment:** Subversion, GIT, Jenkins, ANT, MAVEN, JIRA, AWS, Apache, Ansible, Tomcat, Red hat, Linux, Perl Scripts, Shell scripts, SonarQube, MYSQL, Redis, Docker, Kubernetes, Bash.

**Ferguson Enterprises Inc, Newport News, VA**

**Senior Technical Analyst/Engineer**

**Data Services & Integration July 2018 – April 2019**

* Lead the gathering of the **technical requirements** for the development teams and participate in figuring out the best strategies for **implementing the code**.
* Lead **medium complex projects** in the areas of development, testing and production **utilizing DevOps, CI/CD** and **Master Data Management** practices.
* Develop and facilitate groups as necessary to gather process owner **technical requirements** through various elicitation techniques for the development team implementation.
* Collaborate in the automation of **AWS** infrastructure via **terraform** and **Jenkins** - software and services configuration via **Ansible**.
* Suggested alternative methods of problem resolution, best **development and CI/CD** practices.
* Analyze detailed systems factors including, but not limited to**, input/output requirements**, security, data flow, hardware and software requirements for building the **Continuous Integration Pipelines**.
* Created monitors, alarms and notifications for **EC2** hosts using **Cloud** **Watch**. Deploy and monitor scalable infrastructure on **Amazon web services (AWS)** & configuration management using **Ansible**.
* Analyze “soft” systems factors including: roles, responsibilities, policy, culture to effectively delegate the roles to the developers to build different instances on **AWS**.
* Research and explore requested **system requirements** and functionality to understand costs and benefits in support of the **demand management process**.
* Evaluate and communicate the impact of **potential software** and process changes on the organization and the current team.
* Develop detailed technical requirements suitable for **Senior Leads/Managers review, software testing capability** and code development.
* Work with Technical Stakeholders, Product Owner(s), Developers, Quality Assurance Testers, Technical Architects, Scrum Master / Project Manager, Support, Training and Supervisors in a collaborative and **shared-learning environment**
* Review development in progress for adherence to **DevOps and CI/CD** policies and strategies and advise to the developers on the best **code management practices.**
* Work with third-party software providers to ensure technical solutions meet the needs of the company by suggesting solutions for potential problems.
* Experience in writing **Playbooks** to automate the deployment process and to integrating **Ansible Playbooks** into **Jenkins** jobs for a continuous delivery framework.
* Plays **a third level** support role by helping to troubleshoot and resolve issues in production systems and advise solutions to the developers on solving the issues.
* Participate in **design, review and presentation** of training and support content such as FAQ and Knowledge documentation.
* Support the development team with all other **AWS** products such as **RDS**, **Route53** (**DNS**), **Cloud** **Trail**, **Elastic cache**, **Lambda** and **Amazon** **Kinesis**.
* Implanted a continuous Delivery pipeline with **Docker**, **Jenkins** and **GitHub**. Whenever a new **GitHub** branch gets started, **Jenkins** our **continuous Integration** server, automatically attempts to build a new **Docker** container from it.
* Responsible for on boarding Application teams to build and deploy their code using GitHub, **Jenkins** and **Ansible.**
* Implement and design **AWS** virtual servers by **Ansible** roles to ensure deployment of web applications.

**Environment:** Subversion, GIT, Jenkins, ANT, MAVEN, JIRA, AWS, Apache, Ansible, Tomcat, Red hat, Linux, Perl Scripts, Shell scripts, SonarQube, MYSQL, Redis, Docker, Kubernetes, Bash.

**New York City – Department of Education October 2016 – June 2018**

**Finance Systems Analyst/Engineer**

**Office of Technology Operations**

**Responsibilities:**

* Responsible to preparing **Cognos** using internal software and communicate the **technical outcomes** and financial information to other Directors.
* Worked on **monitoring payments** through internal **software systems** by retrieving old transactions using **SQL queries** searching in internal databases.
* Participate in the **technical** and **financial discovery** sessions with client and vendors, create the design and mapping documents and submit the same to directors for sign off.
* Demonstrated strategic thinking and diagnose project problems by identifying possible solutions. Facilitating discussion, **decision-making, conflict resolution** and holding people accountable for their commitments.
* Responsible to maintain **technical charts** for different account numbers those belong to different contracted and non-contracted vendors that work with Department of Education.
* Worked to create **Enterprise Performance Management** (EPM) and Financial Performance Management (FPM) to link strategies and plan execution.
* Used **Microsoft Dynamics** to report financial data in company’s website and facilitate meetings with senior management team.
* Created all financial statements including profit/loss and prepared general ledgers.
* **Designed** and **implemented** user set- up, end user training materials and testing procedures for proper **implementation** and **usage** of systems.
* Diligently prepared and collated **project progress/status, issues & risks**, Development capacity planning and helping in release scheduling.
* Develops **FAQ documents** in support of most common IT-related issues.
* Serves as **technical resource** to users on IT planning and procurement activities.
* Assists in the identification and diagnosis of **Software** and **hardware** related issues.
* Have knowledge in project management tools MPP, ITSM, Excel, SharePoint, **JIRA**, clarity and **Confluence**.
* Used **SQL** queries to **retrieve**, **insert** and **delete** data.
* Participated in conducting **reports** for annual turnover and manage all business files belongs to employees, managers and students.
* Create **financial statements** and invoices on a weekly, monthly, quarterly and yearly basis.
* Assisted the Director of Budget and Purchasing with yearly budget allocations to schools and dividing the funding using various **object codes**.
* Monitoring **internal systems for** infrastructure design and implementation process.
* Set up and maintain continuous automated build system with **Python** scripting.
* Writing **shell scripts** for automation of daily tasks, documenting the changes that happen in the environment and in each server, analyzing the error logs, analyzing the user logs, analyzing the /var/log/messages.
* Analyze customer configuration and effectively use internal and external resources such as knowledgebase, user/admin manuals, and internet resources to **troubleshoot** the problem.
* Facilitate communication between **technology** teams and other **departments** on issue status and resolution.

**Environment:** Jira, Service Now, Windows, Mac OS, VPN, Splunk, SQL, Linux, JIRA, Confluence, Apache, Nginix, YAML, Cognos, Nexus, Jenkins, Artifactory.

**New York City – Department of Education July 2016 – October 2016**

**Tech Consultant**

**Responsibilities:**

* Monitor **computers** across different operating system within the given operation site and support the users with any **technical issues**.
* Troubleshoot **technical** and **non-technical issues** in order to perform root cause analysis, including the ability to identify and implement corrective and preventive measures.
* **Install, troubleshoot, services, and repairs** personal computers, related PC software, telephones, cables, and connectors.
* Connects **personal computers** and terminals to existing **data networks** for the users **using Virtual Private Networks**.
* Troubleshoot **network related problems** and resolve them in a timely manner.
* Escalate any deeply **technical issues** to the L3 team for getting quick support and raise the tickets **using Service now, Jira**.
* Assist other **technical support personnel/team** with ticket escalation and fulfillment process.
* Maintain **tickets** with within the **helpdesk system** and provide the users with any feedback/update on the tickets those have been raised.
* Work extensively with senior **technical staff members** to troubleshoot and resolve product related issues.
* Resolves tickets within established **SLAs**. Raises issues that require management attention or involvement.
* Establishes and maintains **high levels** of customer satisfaction according to defined objectives while adhering to established policies.
* Works with **system administrators** and other staff to resolve support issues, escalating where appropriate.
* Exhibits good **communication skills,** an energetic approach, and patience with customers.
* Perform **administrative functions** related to support delivery, including tracking support requests, completing paperwork and generating technical documentation.

**Environment:** Jira, Service Now, Windows, Linux, Mac OS, Virtual private Networks, Software Analysis, Technical Support, Network Security.

**DeVry College of New York March 2015 – February 2016**

**IT & Library Support Intern**

**Description:** DeVry college of New York is one of the main branches for the University in the North east with close to 20,000 studying both graduate and undergraduate degrees. The IT team is designated to help the city college with all the IT and technical issues and provide necessary support.

**Responsibilities:**

* Escalated any software related issues in library **Windows** and **Apple** computers.
* **Installed** Microsoft, Windows and MAC OS across all the computers/desktops of the **users**.
* Respond to the **tickets** raised by customer service team to evaluate any **software** related issues.
* Performed **network documentation** and created **disaster recovery plan**.
* Developed all user **test case scenarios** by running use case and **manual testing procedures**.
* **Configured** and supported **multiple** remote site installations.
* Responsible for the maintenance of the **networking systems**
* Monitor, **maintain**, and **update** the Intranet.
* Undertake **preventive maintenance** once a month, to avoid interruptions in work
* Analyze the **current networking system**, find flaws if any, and make appropriate suggestions
* Make use of **logical** and **analytical** reasoning to troubleshoot system and software related issues.
* Setup Cisco Entercept IDS and **Cisco Works** for Windows for network monitoring.
* Oversaw migration of **WAN** links to new service provider, designed full mesh WAN, set up TFTP server to backup, and restored configuration and IOS image files for the PIX, Cisco routers, and Catalyst switches.
* Analyzed **expanding network**, ran fiber, and implemented wireless communication.
* Designed configuration and layout of **WAN** to include IPT Internet facing VPNs and wireless subnet.
* Monitored **bandwidth** and network activity by analyzing information provided by MRTG to ensure both efficient and effective **network operation**.
* **Configured** and **supported** multiple remote site installations.

**Environment**: Windows, MacOS, Linux, IPV4, IPV6, Network Protocols, Microsoft Office, IBM Rational Suite, Splunk, Jira, Intranet, Routers, Servers, Patching.