Anirudh Pulluri

  

* Innovative Management and Technology Lead with 10+ years of experience in Financial and Service sector.
* Software development experience spanning Solution Architecture, DevOps, Security, Agile project management,
* Site Reliability, and hands on application troubleshooting in enterprise and Cloud SaaS and Amazon Web Services (AWS) for multiple production workloads.
* Hands on experience in leading and building Infrastructure on Legacy and Amazon Web Services (AWS). Automating the setup using native and built out tools.
* Well-versed with Infrastructure Setup and all components of Continuous Integration (CI) and continuous delivery (CD)
* AWS Certified Professional and Subject matter expertise in architecting, deploying, and managing AWS cloud environments.
* Strong hands-on experience with infrastructure as code (IaC) tools like Terraform and CloudFormation to automate infrastructure provisioning.
* Proven success in designing and optimizing containerized applications using Docker and Kubernetes for scalability and fault tolerance.
* Expertise at incident management and post-mortem analysis, driving continuous improvement to prevent future outages.
* Collaborative team player with excellent communication skills and a passion for mentorship and knowledge sharing.

# Technical Skills

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| Operating Systems | UNIX, Linux, MS DOS, Windows |
| Cloud Platform | AWS |
| Programming and Scripting | Python, Shell Scripting (Bash), JSON, Yaml |
| Build and CM Tools | Jenkins, UCD, Argo CD |
| Monitoring Tools | Splunk, Cloud Watch, AppDynamics, Dynatrace, Prometheus |
| Automation & DevOps Tool | Terraform, Puppet/Ansible, GIT, Bitbucket, Jenkins, Python, Bash, Web Servers (Apache, Nginx), Jmeter, Helm Chart Museum, aws-cli/boto3 |
| Methodologies | Agile, Scrum, Waterfall |

# Professional

**Fannie Mae [Jul 16 – Nov 23]**

**Lead AWS Devops Site Reliability Engineer**

Responsibilities:

* Led the design and implementation of AWS cloud solutions, optimizing for scalability, security, and cost efficiency.
* Lead the design and implementation of ETL processes for data extraction, transformation, and loading, resulting in a 25% improvement in data processing efficiency.
* Automated CI/CD pipelines using tools such as Jenkins, AWS CodePipeline, and AWS CodeBuild, resulting in a 30% reduction in deployment times.
* Implemented Infrastructure as Code (IaC) using Terraform and AWS CloudFormation for streamlined and reproducible infrastructure provisioning.
* Orchestrated containerized workloads using Docker and Kubernetes on AWS ECS and EKS for scalable and portable deployments.
* Deployed Istio sidebars for DNS routing to access microservices.
* Configured NGINX servers to efficiently handle web traffic, optimizing settings for performance, security, and resource utilization.
* Conducted performance monitoring and optimization of AWS services, including EC2, S3, RDS, Redshift Lambda, and others, ensuring optimal resource utilization.
* Collaborated with security teams to implement and adhere to AWS security best practices, including IAM policies, encryption, and VPC configurations.
* Played a major role in working with business and Application team in setting up infrastructure related to an integrated system that generated reports to FHFA.
* Played a key role in setting up OOR on US east 2 and successfully implemented Disaster Recovery Strategy.
* Automated setting up monitoring on server’s CPU, Memory and Disk Space Utilization using different tools and with Python and Shell scripts.
* Skilled in monitoring servers using Cloud watch and using ELK Stack Elasticsearch
* Setting up **SNS Topics, SQS Queues** and configuring them for different alerts.
* Developed **Python** scripts to gather information from different **AWS services** like **EMR, EC2 etc.,** using **AWS CLI** for metrics and used **Pandas** for analyzing the collected information.
* Developed health checks using **PythonBoto3** and **AWS Lambda** for doing a shakeout after the environment is provisioned.
* Developed and maintained Bash scripts for automating routine tasks, resulting in a significant reduction in manual effort and increased operational efficiency.
* Supported development teams by providing SQL statement Tuning and removing load and query performance bottlenecks to RDS and Redshift
* Participated in data modeling and schema design for data warehouses
* Implemented MongoDB Atlas for managed database services, ensuring efficient scaling and automated backups
* Documenting all setup information, runbooks, troubleshooting issues and **TCP (Technical Contingency Planning) documents** using **SharePoint, Confluence and Planit**.
* Excellent communication and teamwork skills, with a track record of collaborating with cross-functional teams to achieve common goals.

**AT&T [Jun 15 – June 16]**

**Oakton VA**

**Sr Devops Engineer**

Responsibilities:

* Primary responsibilities include Build and Deployment of the Informatica applications into different environments like Dev, INT and QA.
* Working with technologies and platforms including Informatica, Tibco, Jenkins, Subversion, Git, Oracle, UNIX/Linux, VM Ware, Docker, Vagrant, Ansible, Puppet, AWS, across the Financial Production Environment
* Maintain and enhance current build procedures for all software development projects.
* Branching and merging of the code base in CVS.
* Create Chef Automation tools and builds and do an overall process improvement to any manual processes.
* Performed unit tests and debugging Python applications reviewing and enhancing existing code, fix bugs and create system documentation.
* Installed Jenkins on a Linux machine and created a master and slave configuration through a build farm for implementation of multiple parallel builds.
* Develop and implement an automated Linux infrastructure using Ansible, Wrote Ansible Playbooks or installing and managing java versions, wrote a Python plugin for collected to write metrics to state.
* Generated scripts in Perl & Bash Shell for build activities in QA, Staging and Production environments
* Carried out deployments and builds on various environments using Puppet continuous integration tool.
* Responsible for applying the Corporation’s Software Configuration Management processes to projects, setting up and maintaining GIT/GITHub infrastructure and supporting a continuous delivery model by automating software build and package migration processes.
* Created and automated platform environment setup using Ansible Modules.
* Able to create scripts for system administration and AWS using languages such as BASH and Python.
* Coordinate/assist developers with establishing and applying appropriate branching, labelling / naming conventions using GIT source control.
* Installed ansible playbook to install Kafka & zookeeper.
* Installed zookeeper and kafka on single node and multiple brokers, creating Kafka topics and sending messages to all the brokers.
* Branches creation in Subversion (SVN) to implement the parallel development process.
* Merged release branches to the trunk after the production release and resolved the conflicts raised during the merge in both Subversion Proposed branching strategies & implemented it.
* Management of Users and Groups in Subversion (SVN) and troubleshoot client spec issues and user issues. Use of the ticketing tool JIRA.
* Managed SVN repositories for branching, merging and tagging and developing Shell/Groovy Scripts for automation purpose.
* Creating scripts in DSL Groovy which integrate with Jenkins for Automation to create seed jobs.
* Automation of deployment and server bounce process by creating scripts using WebLogic Scripting Tool (WLST).
* Deployment of build artifacts like wars and ears into a WebLogic app server by integrating the WLST scripts to Shell Scripts.
* Maintained all the Linux environments for deployments and Implemented Configuration Management, Change Management policies and procedures.
* Directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.

**Alliance Prosys [June 12 – Oct 14]**

**Hyderabad, India**

**Sr Linux Admin:**

Responsibilities

* Responsible for operations in UNIX and Linux Server Environments.
* Responsible for OS installs, system configuration and upgrades.
* Perform Linux and UNIX Kernel tuning for web, database and application servers.
* Managed and carried out system maintenance, hardware replacements and upgrades. Performed system patch and software analysis, installs and configuration.
* Installed and Configured RHEL 3/4/5, Solaris 10 on Intel and AMD hardware
* Installation, Configuration, Up gradation and administration of Sun Solaris, RedHat Linux
* User account management and support.
* Jumpstart &Kick-start OS integration, DDNS, DHCP, SMTP, Samba, NFS, FTP, SSH, LDAP integration
* Network traffic control, IPSec, Quos, VLAN, Proxy, Radius integration on Cisco Hardware via Red Hat Linux Software
* Managing file systems and disk management using Solstice Disk suite.
* Involved in Installing and configuring of NFS.
* Worked on Solaris volume manager to create file systems as per user and database requirements
* Troubleshooting the system and end user issues.
* Responsible for configuring real time backup of web servers
* Log file was managed for troubleshooting and probable errors.
* Responsible for reviewing all open tickets, resolve and close any existing tickets.
* Document solutions for any issues that have not been discovered previously

Environment: Sun Solaris 2.6/7, SUN Ultra Enterprise 6000/450, SUN Ultra 10/5/2/1, Windows NT 4.0, RHEL 3.x

# Education

* Masters in international systems Engineering and Management. Harrisburg University of Science and Technology. Harrisburg, USA
* Masters in international business with Human Resource, North Umbria University, United Kingdom.
* Bachelor of Business Administration. IIPM, Hyderabad, INDIA

# Awards

* Outstanding Awards 2023: Leadership to an intelligent recommendation for Cost optimization of AWS services using automation and effective cross functional team collaboration.
* Outstanding Awards 2023: Leadership to successful completion of Disaster Recovery for 25+ Applications including Failover and Failback of critical AWS services.
* Outstanding Award, 2021: Innovation solution of AWS cloud, automation & strengthen Platform security to reduce run cost by 35%