AMARNATH JAMALE

Platform Engineer (Azure, DevOps, Unix)

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OBJECTIVE

An adept computer enthusiast with professional experience of 4.5 years as Azure, DevOps & Unix Engineer. Proficient in a spectrum of technologies encompassing Core Infrastructures domains such as Cloud, DevOps, Unix, and Automation. Demonstrated expertise in Agile methodologies, complemented by robust analytical and problem-solving abilities, impeccable written and verbal communication skills.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services Limited – DNB Bank ASA, ***February 2019 – Present***

Azure DevOps Engineer, May 2021 - Present

- Implemented Infrastructure as Code (IaC) using tools like Terraform, Bicep and ARM templates to automate the provisioning and configuration of Azure resources.
- Automated Azure DevOps Repositories creation, access group creation and management, repository policies management by leveraging Azure DevOps API.
- Collaborated with cross-functional teams to define, design, and implement Azure DevOps solutions, ensuring alignment with business goals and best practices.
- Managed and maintained Azure DevOps pipelines, including CI/CD automation, for multiple projects within the organization.
- Worked closely with development teams to streamline the code deployment process, resulting in faster and more reliable releases.
- Monitored and optimized Azure cloud infrastructure for performance, scalability, and cost-effectiveness.
- Conducted regular security assessments and implemented security best practices to ensure the confidentiality and integrity of data and applications.
- Collaborated with stakeholders to gather requirements, create project plans, and manage project timelines and deliverables.
- Migrated OnPrem workloads to Azure with standardized pipelines, minimizing downtime and ensuring data integrity.
- Provided technical guidance and mentoring to junior team members, fostering skill development and knowledge sharing within the team.
- Provided Azure Administrator support for Cloud Workloads, ensuring smooth operations and troubleshooting any issues that arose.
- Developed an automation to manage Azure Agents and their lifecycle management for non-supporting systems.

DevOps Engineer, December 2019 – Present

- Designed a LEAPP upgrade process with report generation, dynamic remediations, closure, rehardening and validation tasks to facilitate seamless and standardized in-place RHEL major upgrades removing redeployment of the infrastructure and migration of the application.
- Developed several Ansible playbooks to automate daily activities, including system configuration backups, Infrastructure patching/monitoring saving $3.5 million USD annually.
- Deployed the Ansible roles for Infrastructure as Code (IaC) for Satellite, Ansible Automation Platform and IDM for recoverable, simplified and versionized config management.

- Designed, deployed, and maintained a scalable and efficient container platform using Kubernetes and Podman for running applications such as httpd and Tomcat. Implemented Ansible automations for container deployments, scaling, and management processes.
- Implemented multiple bash/python/perl/powershell scripts to streamline complex and time-consuming tasks such as cluster monitoring, LDAP access mirroring, and IDM access standardizing, saving 300 hours of work per month.
- Fully automated Linux Patching with addons like reporting compliance status and application start/stop/validation providing highest application uptime.
- Deployed a website that updates periodically using an ansible playbook that validates environment with standards parameters set by clients making vulnerability visible and validating new build servers at ease.
- Rearchitected OS Hardening using Dynamic Ansible playbook generation based on the OpenSCAP profile enabling to control and provision the perfect hardened Infrastructure for application teams.
- Carried out POC for Event Driven Ansible. Deployed EDA solutions for internal projects like infrastructure monitoring, GitOps, Dynamic IaC Playbooks etc.
- Automated access provisioning on the RedHat IDM platform by integrating Azure tags for Azure deployments and Satellite parameters for OnPrem deployments to configure User groups, Host groups, HBAC Rules, Sudo Rules configurations.
- Created and deployed systemd services/cronjobs to automate application start/stop at boot removing dependency of application team in many activities.
- Designed application family onboarding process to Ansible Automation Platform and Azure DevOps platform and developed Ansible automation to deploy AAP and ADO configurations like projects, repos & its policies, teams, organizations, access groups, smart inventories and many more
- Developed a server decommissioning automation from Infrastructure tools like Satellite, IDM, VMWare, Azure.
- Automated disaster recovery process saving downtime during the crucial time.
- Developed automations to deploy applications like Splunk, Dynatrace, Autosys, Nimsoft, CyberArk PTA, CyberArk PSM, IBM MQ, Httpd, Tomcat, etc
- Designed Ansible Automation to register new builds to RedHat Satellite and RedHat IDM with the integrations of the Azure tags.
- Developed Ansible playbook for populating Satellite VM Parameters and VMWare tags with the Application information making satellite a true source of information for other automations.
- Automated SOSReport uploading to RedHat Portal for non-internet exposed disconnected systems saving time for quicker issue debugging and resolutions while maintaining online discreteness of environment.
- Developed multiple podman images for ansible executions with custom requirements for each unique automation.
- Onboarded Windows servers to Ansible Automation platform and developed a patching automation for windows servers.
- Automated following reporting using Ansible Automation Platform:
    - Weekly Patching and Compliance report from all environment with missing patches and CVE details from each server along with the non-reporting server details
    - RedHat system hardening report which ensures all hardening rules have been applied to the OS
    - Daily Solaris Hardware monitoring and reporting of every aspect of the hardware
    - Monthly Solaris hardware capacity utilization report providing insights on capacity management
    - Daily RedHat support cases report that consolidates all Red Hat support cases and their status
    - OS handover report which ensures the integrity of the OS when it is cut over from project to production phase
    - Fully automated decommissioning report containing compute released as well as proper cleanup of servers
    - LEAPP Pre Upgrade analysis report stating issues observed on the system, remediations report informing status of the remediations taken, Closure report to ensure proper RHEL major version upgrade

Unix Engineer, February 2019 – Present

- Delivered projects involving OS building on VMware and physical hardware from Satellite/bare metal
- Deployed clusters systems like PCS, VCS, and SunOS on Linux and Solaris servers and provide L3 supports to cluster related requests
- User and Access management by OpenLDAP, OUD, ODSEE & RedHat IDM
- Provided L3 operational support on all high priority Unix related incidents as well as all operational requests.
- Created and maintained a ServiceNow Kanban Dashboard for increasing work effectiveness of my team and avoid any SLA breaches.
- Created a SRE Dashboard on Dynatrace to have a flawless monitoring on the Linux Infrastructure.
- Worked in SRE sprints to optimize the Unix Infrastructure and ensure its redundancies.
- Created and maintained a standard operating procedure (SOP) and Known Error Database (KEDB) documents for all team members.
- Recorded a series of comprehensive knowledge transfer sessions for new team members, aimed at providing an in-depth understanding of the organization's processes and technologies.

FORMAL EDUCATION

Smt Kashibai Navale College of Engineering, Pune - *June 2018*
Bachelors of Engineering in Mechanical Engineering
First Class with Distinction
Top 5% in the department
The Google India Challenge Scholarship
Chess Champion and College chess representor
Secured top 3 spots in all Hackathons

Rajarshi Shahu Junior Science College, Latur - *May 2014*
Higher Secondary School Certificate (Physics, Chemistry, Maths, Computer Science)
75.69%
Top 1% in the department
Developed my First Website

Janata Vidya Mandir, Murud - *March 2012*
Secondary School Certificate
97.09%
Top 3rd Rank in School
Achieved 97.09% Score in state board exam
Student Representor
Culture event organizer

ONLINE ACCREDITATIONS

- Udacity: Google India Challenge Scholarship: Front-End Web Dev
- LinkedIn Learning: Linux System Engineer: Bash Shell Scripting for Automation
- LinkedIn Learning: Azure Administration Essential Training
- LinkedIn Learning: Developing CI/CD Solutions with Azure DevOps
- LinkedIn Learning: Azure Active Directory: Basics
- LinkedIn Learning: Ansible Essential Training
- LinkedIn Learning: Azure Administration: Monitor and Back Up Azure Resources
- LinkedIn Learning: Programming Foundations: Fundamentals
- LinkedIn Learning: Getting Started with Python
- LinkedIn Learning: Learning Python
- LinkedIn Learning: Building a Web Application on Microsoft Azure
- LinkedIn Learning: Getting Started as an Azure Developer
- LinkedIn Learning: Getting Started with Microsoft Azure Administration
- LinkedIn Learning: Microsoft Azure: Security Concepts
- LinkedIn Learning: Azure for DevOps: Continuous Integration
- LinkedIn Learning: Azure Administration: Implement and Manage Storage
- LinkedIn Learning: Cloud Architecture: Design Decisions
- LinkedIn Learning: Learning Amazon Web Services (AWS) for Developers

CERTIFICATIONS

- ✓ Microsoft Certified: DevOps Engineer Expert / **AZ-400**
- ✓ Microsoft Certified: Azure Developer Associate / **AZ-204**
- ✓ Microsoft Certified: Azure Administrator Associate / **AZ-104**
- ✓ Microsoft Certified: Azure Fundamentals / **AZ-900**

TECHNICAL SKILLS

Platforms:
Cloud: Azure, AWS, GCP
RedHat: RHEL, Ansible Automation Platform, Ansible Tower, Automation Hub, OpenShift, Satellite, IDM, Insights
Microsoft: Azure Portal, Azure DevOps, AKS, ARO, Azure Pipelines
Oracle: Solaris, ODSEE, OpsCenter, OUD
Clusters: PCS, VCS, SunCluster

DevOps: Ansible, Azure DevOps, Docker, Git, Azure, Kubernetes, Jenkins, Terraform, Bash, Jira, Splunk, Confluence, Dynatrace, Bitbucket, ServiceNow, Grafana, Nimsoft

Side Skills: VMware, Python, HTML5, CSS3, JavaScript, jQuery, ReactJS, Powershell, Machine Learning, Ethical Hacking, Android OS Development

PERSONAL SKILLS

Linguistic Skills

- Marathi (Mother tougue)
- English (Certified for Business Level)
- Hindi (Proficient Level)

Communication Skills

- Presentations on given on RHEL In Place LEAPP migration architecture and automation process to multiple application families and management.
- Presentations on Ansible as a Configuration Management tool.
- Presentations on Ansible as a Reporting generation tool.
- Knowledge sharing sessions for all Infrastructure tools like RedHat Satellite, RedHat Ansible Automation Platform, RedHat Identity Management, Solaris LDAP, Azure Portal, Azure DevOps.

AWARDS

- Beyond Excellence Award x2
- Best Team Award x2
- Most Valuable Team Member x3
- Star of the Month Award x2
- Maitree Prize Award
- On the Spot Award x2