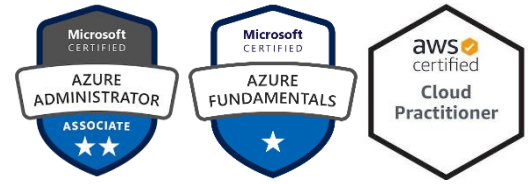


Sathvik Racha

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SUMMARY

An outstanding, self-motivated professional with Around 4 years of experience in IT industry with major focus on Software Configuration and Build/Release Management.

- ✓ I consistently seek out automation to minimize manual effort and enhance the speed and reliability of repetitive tasks.
- ✓ Ability to work independently or as a team to approach problems creatively and resolve them in an effective and timely manner.
- ✓ Experience in Windows and Linux administration, on prime and cloud platforms, and DevOps practices.
- ✓ Experience in administering leading cloud services GCP, AWS, Azure.
- ✓ Demonstrated expertise in utilizing various cloud services, such as
AWS EC2, S3, ECR, EKE, Code Commit, Code Pipeline, Code Build, Code Deploy, Cloud Front, Cloud Map, RDS, IAM, etc.
GCP Compute Engine, App Engine, Kubernetes Engine, Cloud Storage, Cloud SQL, Cloud DNS, Cloud CDN, Application Gateway, IAM, etc.
Azure Virtual Machine, AKS, ACR, Azure Functions, Blob Storage, Virtual Network, DNS, NFS, App services, Load balancer, Azure AD etc.
- ✓ Created and maintained fully automated CI/CD pipelines for code deployment using Azure DevOps, Azure Repos, Azure Pipelines, Azure Test Plans.
- ✓ Implemented end-to-end CI/CD pipelines using Gitlab CI/CD, Gitlab Runner for automated code testing, build, and deployment processes.
- ✓ Experience in CI/CD with Docker, Podman, Buildah, GitLab CI, Jenkins, Bitbucket Pipelines, GitHub Actions, Azure DevOps, Google Cloud Build, AWS CodeBuild, CodeDeploy, GCR, ECR, ACR.
- ✓ Experience in on-premises (MicroK8s, kubeadm, Kops) and cloud Kubernetes (GKE, EKS, AKS) setup and day-to-day operations.
- ✓ Experience with Helm, kubectl, cert-manager, NGINX Ingress Controller, Let's Encrypt, Service Mesh (Istio, Linkerd), K8ssandra, DigitalOcean, Grafana, and New Relic.
- ✓ Experience in and demonstrated understanding of source control management concepts such as branching, merging, labeling and integration.
- ✓ Defined branching strategy in GitLab, GitHub, bitbucket, and TFS for proper code management
- ✓ Experienced with Puppet, Ansible and Chef as System Configuration Tools
- ✓ Experience in various DevOps tools Terraform, Jenkins, Docker, Kubernetes.
- ✓ Customized Helm charts to fit specific application requirements and configurations.
- ✓ Experience in monitoring tools such as Dynatrace, Prometheus, Grafana and Azure Monitoring, enhancing observability and performance tracking.
- ✓ Experience on Virtual environments like VMware vSphere Suite, Nutanix, OpenStack.
- ✓ More than six years of experience in administering and supporting the CM tools including GitLab, GitHub, Team Foundation Server 2012/2015/2017, Azure DevOps server 2019/2020.

- ✓ Migrated On-prem Azure DevOps Server 2020 to Cloud version Azure DevOps Services (ADO) using Data Migration tool.
- ✓ Experience on Change, Configuration, Release & Build Management and Administration of applications in database, client/server and Web/Internet environments under Linux/Windows platforms.
- ✓ Experience in performing functional management activities covering all stages of SDLC
- ✓ Experience in managing and setting up Azure active directory in Microsoft Azure portal
- ✓ Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed
- ✓ Experience in Red hat OpenStack and OpenShift platforms.
- ✓ Experience in installation and configuration of Gitlab server.
- ✓ Excellent understanding and hands on experience of the network and server environments.

CERTIFICATION

- ✓ AWS Cloud Practitioner
- ✓ Microsoft Certified: Azure Administrator Associate
- ✓ Microsoft Certified: Azure Fundamentals

TECHNICAL SKILLS

Tools and Platforms	
Cloud	AWS, GCP, Azure
Source Code	Git, GitHub, GitLab, Bitbucket, TFS
CI/CD	GitLab CI/CD, Jenkins, GitHub Action, Azure DevOps, Google Cloud Build, AWS Code Pipeline, Code Build, Code Deploy
Scripting	Shell, Bash, Python, TypeScript, JavaScript, Groovy
Container Services	Docker, Kubernetes, OpenShift
Container Orchestration	EKS, GKE, AKS, MicroK8s
Configuration Management and IaC	Ansible, Chef, Puppet, Terraform, CloudFormation, Cloud Deployment Manager, ARM templates
Monitoring	Prometheus, Grafana, ELK Stack, Splunk, New Relic, Datadog
Virtualization	VMware, Nutanix, OpenStack
Container Registry Artifact Management	Docker Hub, ECR, ACR, GCR, Nexus Repository, Artifactory
Networking	TCP/IP, Subnets, Firewall, VPC, Routing Protocols, CDN, DNS, VPN, DHCP, SMTP, LDAP, NTP, Load balancer
Databases	AWS RDS, DynamoDB, Oracle, MySQL, PostgreSQL, No SQL
Operating Systems	Linux (RHEL, CentOS, Ubuntu, SUSE), Windows Server 2003/2008/2012/2016, macOS
Other	Cognito, CertManager, Nginx, Lets Encrypt, Certbot, Kube Adm, Elastic Beanstalk, Kops, MDM, G Suite,

EDUCATION

- ✓ Master's in computer science, University of Bridgeport, United States of America.

PROFESSIONAL EXPERIENCE

ADP INC, New Jersey.

(Jul 2023 – May 2024)

Role: Cloud Engineer-DevOps

Responsibilities:

- ✓ Cloud Engineer-DevOps
- ✓ Successfully set up a Kubernetes cluster on-premises using MicroK8s for multi-node cluster for development, testing and Pre-Production deployments.
- ✓ Leveraged MicroK8s and built-in services and add-ons for quick integration of essential components like DNS, storage, and ingress controllers, enabling Kubernetes Dashboard for monitoring.
- ✓ Successfully installed and configured a GitLab server, Jenkins and SonarQube instances for version control, continuous integration and code quality analysis.
- ✓ Regularly updating and patching the GitLab environment to ensure up-to-date features and security
- ✓ Implemented GitLab and YAML-based CI/CD pipelines and configuring GitLab Runner for automated Kubernetes deployment and on-premises microk8s and GKE.
- ✓ Created and managed IaC tools such as Terraform scripts, Cloud Deployment Manager to manage infrastructure and automate the provisioning of GCP resources like Compute Engine, GKE, GCR, Cloud Storage, Cloud SQL, Cloud DNS, Cloud CDN, etc.
- ✓ Integrated Terraform deployments into CI/CD pipelines, automating infrastructure changes and ensuring consistent delivery.
- ✓ Integrated Jenkins with SonarQube to automate code quality analysis during the build pipeline.
- ✓ Created Jenkins pipelines that trigger code quality tests using SonarQube, ensuring consistent checks on every code commit.
- ✓ Integrated Jenkins and SonarQube with GitLab to trigger code quality analysis on code changes.
- ✓ Oversaw the migration of on-premises MySQL databases to Azure, ensuring minimal data loss and optimizing performance during the transition.
- ✓ Designed, developed, and maintained robust shell scripts to automate MySQL database backups, ensuring data integrity and disaster recovery readiness.
- ✓ Performed standard system administration tasks such as troubleshooting and problem resolution, patching, installing packages using rpm and yum, drivers, software and hardware upgrades.
- ✓ Created Ansible playbooks to manage Linux server configurations, application deployments, and network configurations.
- ✓ Configured Prometheus and Grafana for real-time monitoring and visualization of system performance.
- ✓ Integrated external monitoring tools, such as Prometheus or Grafana, with Azure Monitoring services to provide a unified view of the environment.
- ✓ Created and managed IaC tools such as Terraform scripts, ARM templates to manage infrastructure and automate the provisioning of Azure resources like Virtual Machine, Resource groups, AKS, ACR, Azure Functions, Blob Storage, Virtual Network, Application Gateway, DNS, App services, Traffic Manager, Azure SQL, Load balancer, subnet, NFS, Key Vault, DR, etc.
- ✓ Configure servers with strong cipher suites and encryption algorithms.
- ✓ Deployed Linux server (RHEL, Ubuntu, CentOS) and Windows Servers 2016 in both Op-premises VMware, Nutanix and azure cloud platform.

Environment: Kubernetes, GitLab, Jenkins, SonarQube, Terraform, Ansible, Cert-manager, Prometheus, Grafana, MySQL, Azure, Linux/Windows, VMware/Nutanix.

Avery Dennison, Remote

(Nov 2022 – Jul 2023)

Role: DevOps Engineer

Responsibilities:

- ✓ Worked with developers in establishing and applying appropriate branching, labelling / naming conventions using GIT source control.
- ✓ Dev, QA, and Production environment and manage their configurations.
- ✓ Demonstrate strong communication skills and collaborate with all participants in web development projects.
- ✓ Started from the setup to work on AWS for the roles and grouping through IAM, created inbound and outbound traffic control. Set up SNS, AWS backup through AWS direct connects.
- ✓ Created the different AWS resources by using Terraform as IAC.
- ✓ Worked with the development team to move the AMI's Amazon Machine Images into the S3, by allowing hosts on the ports.
- ✓ Monitored the cloud health of instances with Elastic Beanstalk for connection draining.
- ✓ Configured various cloud services EC2, ELB, Elastic IP, RDS, SNS.
- ✓ Configured CI/CD using GitHub, maven, NodeJS, Jenkins, SonarQube, on AWS.
- ✓ Created/Configured EC2 Instances in AWS and installed required packages.
- ✓ Created/configured RDS instances in AWS with Multi-AZ deployment.
- ✓ Created EBS volumes for EC2 instances and moved snapshots in a timely manner to S3 bucket using custom Shell script.
- ✓ Created Topics, Avro schema and managed Kafka with Zookeeper.

Environment: GIT, SVN, Ant, Jenkins, Chef, Puppet, Docker, Terraform, Tomcat, Confluence.

Tata Consultancy Services LTD

(Jul 2020 – Aug 2022)

Role: SAP APO Consultant

Responsibilities:

- ✓ Managed and maintained master data in SAP APO for materials, vendors, customers, and production, ensuring data accuracy and integrity across the supply chain.
- ✓ Configured and executed demand planning, supply network planning, and production planning processes to optimize inventory levels and meet customer demand.
- ✓ Oversaw the creation, monitoring, and adjustment of planning orders to align with production schedules, ensuring timely fulfillment of orders.
- ✓ Scheduled, monitored, and optimized batch jobs for data integration, system updates, and maintenance tasks to ensure smooth and efficient system operations.
- ✓ Conducted regular performance checks and system health monitoring, identifying and resolving issues to maintain optimal system performance.
- ✓ Provided comprehensive training and support to end-users on SAP APO functionalities, enhancing user proficiency and resolving system-related issues.
- ✓ Identified inefficiencies in supply chain processes and implemented improvements to enhance overall operational efficiency and effectiveness.
- ✓ Performed data analysis to generate insights and reports, supporting strategic decision-making and operational planning.
- ✓ Collaborated with IT and business teams to ensure seamless integration of SAP APO with other enterprise systems like SAP ECC, improving data flow and system coherence.

- ✓ Ensured adherence to company policies and industry standards, maintaining detailed documentation of processes, configurations, and changes in the system.
- ✓ Actively contributed to project planning and execution phases, participating in meetings and providing technical expertise for SAP APO-related projects.
- ✓ Responded to and resolved user-reported issues and incidents logged by the event monitoring system, ensuring minimal disruption to business operations.
- ✓ Conducted capacity planning and implemented change control processes to accommodate growth projections and system updates.
- ✓ Assisted in the development and customization of SAP APO functionalities to meet specific business requirements and improve system capabilities.
- ✓ Utilized SAP APO for scenario planning to model different supply chain scenarios, aiding in risk management and strategic planning.
- ✓ Engaged in continuous learning and improvement initiatives to stay updated with the latest SAP APO features and best practices, enhancing overall system utilization.

Environment: SAP APO, SAP ECC, Batch Jobs, Data Integration, Performance Monitoring, End-User Training, Data Analysis, Collaboration, Documentation, Project Management, Incident Management, Capacity Planning, Change Control, Customization, Scenario Planning, Continuous Learning.