

PRAVEEN UCHULURI

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PROFESSIONAL SUMMARY:

- **Professional Experience:** 3.9 years of IT experience in Build & Release Engineering, DevOps, and Cloud (Azure) environments with expertise in automation, CI/CD, and configuration management.
- **Version Control Systems:** Hands-on experience with Git, GitHub, and Bitbucket, managing branching, merging, and tagging strategies to support code delivery and release cycles.
- **Build & Release Engineering:** Proficient in build automation tools like Maven and Bamboo, ensuring smooth, repeatable, and high-quality software builds.
- **Continuous Integration & Deployment:** Implemented CI/CD pipelines using Bamboo, Azure DevOps, and Jenkins, automating end-to-end build, test, and deployment workflows.
- **Cloud & Containerization:** Automated deployments to Apache Tomcat, Azure App Services, Docker, and Azure Kubernetes Services (AKS), ensuring scalability and reliability of applications.
- **Configuration Management:** Worked with Salt and Ansible for configuration automation, standardizing environments across development and production.
- **Cloud Administration:** Expertise in Azure services including VMs, App Services, Load Balancers, VNets, Subnets, Storage Accounts, and Azure Active Directory (Service Accounts, Managed Identities).
- **Security & Compliance:** Experience with Azure Security Center for identifying and remediating container and infrastructure vulnerabilities.
- **Quality & Code Analysis:** Served as SonarQube Administrator, managing servers and ensuring code quality and security across the organization.
- **Linux & Infrastructure:** Strong knowledge of Linux environments, troubleshooting performance issues related to CPU, memory, and file systems, and providing production support.
- **Kubernetes & Orchestration:** Deployed and managed applications on Kubernetes (K8s), AKS, and OpenShift, optimizing container orchestration.
- **Client & Team Collaboration:** Actively participated in client calls and meetings to ensure smooth project delivery, coordinated with development teams to resolve build and configuration issues.

TECHNICAL SKILLS:

- **Version Control Tools:** Git, GitHub, Bitbucket
- **Build Tools:** Maven
- **Deployment Environments:** Tomcat, Docker, Kubernetes (K8s), Azure Kubernetes Service (AKS), Azure App Service
- **CI/CD Tools:** Azure DevOps (YAML pipelines), Jenkins, Bamboo, GitHub Actions
- **Code Quality Tools:** SonarQube
- **Configuration Management:** Ansible, Salt
- **Monitoring & Observability Tools:** Azure Monitor, Log Analytics, Application Insights, Microsoft Sentinel, Splunk, Dynatrace, Prometheus, Grafana, Nagios
- **Incident & Change Management:** ServiceNow
- **Scripting & Automation:** PowerShell, Bash, Python
- **Web/App Servers:** Apache HTTPD, Nginx
- **Databases/Tools:** SQL Server Management Studio (SSMS)
- **Collaboration Tools:** Jira, Confluence, Cara, VS Code, Git Bash

- **Cloud Platforms:** Microsoft Azure (VMs, VNets, Subnets, NSGs, Load Balancers, App Services, Storage Accounts, Azure AD, Policies, Blueprints, Landing Zones); AWS (EC2, S3, RDS, VPC); GCP (Compute Engine, Cloud Storage)

CERTIFICATIONS:

- Microsoft certified: Azure Fundamentals – AZ-900
- Azure Administrator Associate – AZ – 104

PROFESSIONAL EXPERIENCE:

TATA CONSULTANCY SERVICES

Project 1:

June 2024- Present

- **Client:** ZF Friedrichshafen AG
- **Role:** Azure DevOps Engineer.
- **Platform:** Linux, Maven, Git, Git Hub, SonarQube, Apache Tomcat, Bamboo, Azure (VM, V Net, Sub Net, Storage Account, Auto Scaling, Adding Disks, IAM, Images), shell scripting, Jira.

ROLES AND RESPONSIBILITIES:

- Adding /Deleting, Permissions and Customizing Views and Branches.
- Built and maintained Azure DevOps multi-stage pipelines with YAML for CI/CD, supporting automated testing, code quality checks, and gated deployments.
- Creating and maintaining the development and release branches on GIT.
- Tags and support branches and managing code repositories (branching, labeling, etc.).
- Coordinated build and deploy activities & performed code build and deployment.
- Designed and managed Azure cloud infrastructure across multiple environments, implementing Landing Zones, Azure Policy, and Blueprints for security and compliance.
- Extensive experience with containerization and orchestration using Docker, Kubernetes, AKS to deploy and manage microservices.
- Enhanced observability using Azure Monitor, Log Analytics, Application Insights, and Microsoft Sentinel, creating proactive alerting and dashboards.
- Involved in deployment of the application using Docker and K8S.
- Maintained organizational standards by managing source code in GIT for various applications and setting up new build environments in Linux.
- Proficient in CI/CD automation using Azure DevOps, Jenkins, Bamboo, and GitHub Actions for seamless application delivery.
- Worked with developers, QA, and Product support teams to identify and resolve build problems.
- Azure services like VM, Storage Account, Load Balancers for building infrastructure.
- Used Maven as a build tool to automate the process of building artifacts.
- Reviewed build results, debugged and optimized complex builds, and discussed technical issues with developers, architects, and managers.
- Wrote Dockerfiles and Docker Compose files for deploying applications in Docker stack.
- Automated Azure resource provisioning and infrastructure management using Terraform and ARM templates.
- Configured Role-Based Access Control (RBAC) and Managed Identities for secure access to Azure resources.
- Implemented monitoring dashboards and custom log queries in Splunk, Dynatrace, and Prometheus/Grafana for proactive issue detection.
- Designed backup and disaster recovery strategies to ensure business continuity.
- Provided incident response leadership with proactive Root Cause Analysis (RCA) and corrective actions to improve platform reliability.
- Integrated SonarQube with CI/CD pipelines to enforce code quality and security checks.

- Collaborated with cross-functional teams in Agile/Scrum environments using Jira and Confluence.
- Performed system performance tuning and scaling activities in a 24/7 production environment.
- Automated deployments and maintenance tasks with PowerShell and Bash scripting.
- Supported end-to-end application lifecycle management from development to production in hybrid and multi-cloud environments.

Project 2:

Feb 2022 – May 2024

- **Client:** Humana Inc
- **Role:** SRE DevOps Engineer.
- **Platform:** Microsoft Azure (Cloud), Azure DevOps (CI/CD), Terraform (IaC), PowerShell & Azure CLI, Dynatrace / Prometheus + Grafana, Linux, ServiceNow, SSMS, Jira & Confluence.

ROLES AND RESPONSIBILITIES:

- Actively monitored and administered applications and hosting environments to increase efficiency, improve reliability, and minimize downtimes.
- Worked on Microsoft Azure (Public) Cloud to provide IaaS support; automated Virtual Machine creation via PowerShell Scripts and Azure Portal, and managed Storage Accounts and Affinity Groups.
- Designed and implemented backup and disaster recovery strategies for cloud-based systems, minimizing data loss risk and ensuring business continuity.
- Automated Azure resource provisioning using Azure CLI scripts in Bash and PowerShell.
- Deployed Azure Virtual Machines (VMs) and managed scaling operations using Azure CLI.
- Provided incident response and resolution with focus on Root Cause Analysis (RCA), prevention strategies, and knowledge transfer to reduce recurring issues.
- Designed and implemented Infrastructure as Code (IaC) solutions using Terraform for consistent, repeatable deployments.
- Deployed and managed Azure resources including VNets, Storage Accounts, Load Balancers, and App Services with Terraform.
- Utilized Python for automating infrastructure provisioning, integrating with Terraform and Ansible for advanced automation.
- Configured Role-Based Access Control (RBAC) policies using ARM templates, ensuring compliance and secure access management.
- Built and maintained CI/CD pipelines in Azure DevOps to automate build, testing, and deployments across environments.
- Developed and implemented monitoring procedures with Azure Monitor, Splunk, and Dynatrace, creating custom dashboards and alerting mechanisms.
- Utilized Splunk and Dynatrace for real-time application and infrastructure performance monitoring and troubleshooting.
- Implemented monitoring and alerting solutions using Python along with Prometheus and Grafana, enhancing observability.
- Performed system performance measurement, optimization, and tuning to ensure high availability and reliability in 24/7 production environments.
- Collaborated with onshore development and operations teams, providing technical guidance and support for project success.
- Conducted proactive capacity planning and scaling strategies to handle growing workloads efficiently.
- Integrated monitoring alerts into incident management workflows using ServiceNow for quicker triage and resolution.
- Documented operational procedures, best practices, and playbooks to streamline SRE processes and knowledge transfer.
- Drove continuous improvement initiatives, reducing mean time to recovery (MTTR) and improving system uptime.

KEY ACHIEVEMENTS:

- Reduced deployment time by 50% through automation and optimization of CI/CD pipelines.
- Enhanced data security and compliance by implementing rigorous security audits and compliance checks.

ACADEMICS:

- **Master of Business Administration** from **SRI VENKATESWARA COLLEGE OF ENGINEERING (JNTUA)**, Tirupati, Andhra Pradesh, with **8.1 CGPA** from 2020 to 2022.
- **Bachelor of Commerce** from **SRI VENKATESWARA UNIVERSITY**, Tirupati, Andhra Pradesh, with **7.9 CGPA** from 2017 to 2020