

Pavan Kumar

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SKILLS

Programming & Scripting: Java, Python, Shell
Cloud: AWS, Azure
Containerization: Docker, Kubernetes
IAC: CloudFormation, ARM, Terraform
Methodology: Agile, Scrum
Tools: Atlassian Jira, Confluence, ServiceNow

OS: Linux, Windows, MacOS,
Version Control: Git/ GitHub, GitLab
Database: MySQL, Postgres
Continuous Integration: Jenkins, Code Pipeline, GitLab
Monitoring: Grafana, Istio, Prometheus, ELK, Datadog, Istio
Tools& server: SonarQube, Trivy, Maven, Nginx, Tomcat, Ansible

WORK EXPERIENCE

ACCURATE HEALTH GROUP | DevOps Engineer

New Smyrna Beach, FL | Aug 2023 – Present

- Responsible for architecture decisions and tasks for ongoing migration efforts. Designed **DevOps** best practices in software delivery pipelines, reducing deployment times by 20%.
- Designed **CI/CD** pipelines using **GitLab** CI/CD and **Azure DevOps** to automate software delivery from code commit to production deployment, resulting in 25% reduction in release cycle time.
- Led the implementation and configuration of **Ansible** playbooks and roles to automate provisioning, configuration, and orchestration of infrastructure components, resulting in a 20% downtime configuration.
- Implemented and customized **Confluence** as a central knowledge base and collaboration platform for documentation, runbooks, and project management, facilitating information sharing and team collaboration pumped the efficiency by 35%.
- Integrated **ServiceNow** with existing IT infrastructure to automate incident, problem, and change management processes, reducing manual intervention and improving response times, reduced incident management by 30%.
- Charted **ARM** templates for provisioning and managing Azure infrastructure resources such as virtual machines, networking components, and storage accounts, ensuring consistency and scalability reducing time in deploying of infrastructure by 50%.
- Engineered and managed **Python scripts** automating infrastructure provisioning, configuration, and deployment, slashing manual workload by 25%; optimized Grafana dashboards to visualize and analyze system performance, latencies, and error rates, troubleshooting and performance enhancements.
- Oversaw containerized workloads using **Azure Kubernetes Service** (AKS) and **Docker**, optimizing resource utilization by 16%. Integrated and enhanced monitoring and logging solutions using **Prometheus**, **Grafana**, and **Splunk** for real-time visibility by 15% into system performance.

MAGNA INFO TECH | DevOps Engineer

Karnataka, IN | Aug 2018 - Dec 2021

- Orchestrated the **Jenkins** pipeline CI/CD to automate code integration and deployment, achieving a 25% faster time-to-market and increasing overall system reliability by 20%. Constructed **Docker files** for Docker images to enhance application deployment, resulting in a 20% reduction in server downtime.
- Architected automated pipeline with Jenkins, developing intricate **shell** scripts to evaluate and ensure proper pipeline conditions; optimized workflow efficiency, resulting in a 30% reduction in intervention and a 20% increase in deployment speed.
- Created the integration of **SonarQube** code quality tool across all development teams, leading to a remarkable 40% decrease in bugs identified during the testing phases, drastically enhancing overall product quality and customer satisfaction levels.
- Executed automation initiatives for **windows** and **Linux** OS using shell scripting; automated system maintenance tasks, saving 15 hours weekly and improving operational efficiency by 25%.
- Orchestrated **Docker** container deployment and scaling through **Kubernetes** with **EKS**, optimizing resource allocation and reducing infrastructure costs by 25% through efficient workload management, built robust infrastructure using **terraform** on AWS, achieving a 25% decrease in latency and improving user experience.
- Generated **GitHub** webhooks to trigger Jenkins jobs automatically, optimizing development workflows and decreasing release cycle times by 20% resulting faster time to the market.
- Prepared version control best practices in **GIT**, resulting in a 25% reduction in code review time and a 15% increase in overall team productivity.
- Orchestrated cross-functional RCA sessions to dissect pod deployment issues. Leading to implementation of monitoring tools; decreased system failure by 30% and reduced overall system ability,
- Adoption of **Agile** methodologies, leading daily stand-ups, **sprint planning**, and retrospective meetings to enhance team collaboration and productivity by 60%.

EDUCATION

Master of Science in Computer Science with Software Engineering

Southern University and A and M College

Bachelors of Science in Biological Science

PanjabRao Deshmukh Krishi Vidyapeeth

Jan 2022 - Dec 2023|4/4 GPA

Baton Rouge, LA

Aug 2015 - Apr 2019| 3.7 GPA

Maharashtra, India

CERTIFICATION

SAA-C03 AWS Solutions Architect

AZ- 104 Azure Administrator Associate

Terraform Associate (003)