Srinivasa K
DevOps Engineer

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EDUCATION

- **BGS Polytechnic**
  Diploma in Electronics and Communication Engineering
  Completed in 2015

Technical Skills

- **Operating System** Windows | Linux
- **Version Control System**
  Git | GitHub
- **Build / Security Tools**
  Maven, SonarQube, Veracode ,Trivy
- **Web application Servers**
  Tomcat | Apache | nginx
- **CI/CD**
  Jenkins | GitHub Actions
- **Configuration Management**
  Ansible
- **Containerization/ Orchestration**
  Docker | Kubernetes
- **Scripting Tools**
  Shell | JSON | YAML
- **Infrastructure As Code**
  Terraform
- **Cloud Platform**
  AWS | Azure
- **Monitoring Tools**
  Prometheus | Grafana | Cloudwatch

Skills

- Critical Thinking
- Time Management
- Effective Communication
- Leadership
- Teamwork

PROFILE

IT professional with over 9.3 years of experience, including 5.5 years as a System Administrator and 3.8 years as a DevSecOps Engineer. Adept at automating **CI/CD pipelines**, provisioning infrastructure, and managing containerized applications in **AWS** and **Azure** environments. Hands-on expertise with **Jenkins**, **Docker**, Kubernetes **(EKS)**, **Terraform**, **Ansible**, **SonarQube**, **Prometheus**, and **Grafana**. Proficient in implementing Infrastructure as Code **(IaC)** using **Terraform** and **Ansible** for secure, repeatable deployments. Experienced in managing production environments, handling **Jira**-based incidents and change tickets, and participating in Agile ceremonies such as sprint planning and daily stand-ups. Skilled in optimizing Docker images, deploying Helm charts, managing **IAM/RBAC** access controls, and documenting SOPs in Confluence to ensure knowledge sharing and operational transparency.

WORK EXPERIENCE   Sep 2021 – Present
Sonata Software Ltd | DevOps Engineer
Roles and Responsibilities:

- Developed and maintained **CI/CD pipelines** using Jenkins Pipeline-as-Code (**Jenkinsfile**) to automate build, test, and deployment workflows for microservices applications.
- Containerized applications using Docker and implemented optimized **Dockerfiles** to reduce image size, improve build time, and standardize deployment artifacts.
- Deployed and managed Kubernetes clusters **(EKS)** for microservices orchestration, handling **auto-scaling**, resource requests/limits, service discovery, and rolling updates.
- Utilized **Helm charts** to manage complex Kubernetes deployments, supporting version-controlled, repeatable, and modular deployments across staging and production environments.
- Configured and managed Kubernetes **Persistent Volumes (PVs)** and **Persistent Volume Claims (PVCs)** to ensure storage reliability for stateful applications.
- Established workload isolation using **Kubernetes namespaces** to segregate development, testing, and production environments, improving security and resource governance.
- Provisioned and managed **AWS** infrastructure using **Terraform**, automating **EC2, S3, IAM, VPC**, **Rout53, Auto Scaling, LB** and **RDS** resources with reusable, parameterized modules.

- Maintained **Terraform state files** securely using **S3 backend** with **DynamoDB** locking to ensure consistent and reliable multi-user collaboration.
- Automated server provisioning and configuration using **Ansible playbooks**, reducing manual effort and achieving consistent environment setups across environments.
- Secured infrastructure automation workflows using **Ansible Vault** to encrypt sensitive data like **SSH** keys, passwords, and API tokens in playbooks.
- Integrated Ansible with Jenkins to build end-to-end Infrastructure-as-Code (IaC) pipelines for automated provisioning and application deployments.
- Configured **Jenkins agents** (nodes) for distributed builds and test execution, improving build speed and enabling scalable CI infrastructure.
- Monitored system and application health using **Prometheus**, collecting real-time metrics from containers, hosts, and services via exporters.
- Visualized monitoring data in **Grafana** dashboards, customizing views for different teams **(Dev, QA, Ops)** and setting up alerts for critical metrics.
- Created and maintained **SonarQube** integration with **Jenkins**, enabling automated code quality analysis as part of CI pipelines.
- Managed **Jira** tickets for incidents, change requests, and enhancements, ensuring timely updates and ticket resolution with **SLA** adherence.
- Participated in daily stand-up meetings and sprint planning calls with cross-functional teams and clients, contributing to **Agile** development and DevOps alignment.
- Attended weekly **scrum**-of-scrums and retrospectives, sharing updates, blockers, and process improvements for better sprint execution.
- Documented implementation procedures and **DevSecOps** best practices in Confluence, supporting knowledge sharing and new team member onboarding.
- Provided DevOps training and support to development teams, helping them adopt containerization, **Git** branching strategies, and CI/CD practices effectively.

Sonata Software Ltd | Senior Digital Engineer   Jan 2020 – Aug 2021

- Efficient ITSM: Manage IT service requests via **Freshworks**, maintaining 99% SLA compliance through ITIL-based processes.
- Ticket Reduction: Promote **MFA** & **SSPR**, reducing password reset tickets and boosting user self-service and satisfaction.
- Automation: Developed PowerShell scripts for automating bulk tasks, reducing manual effort by 90%.
- Technical Troubleshooting: Resolve access, account, and email issues using **AD**, GPO, **Microsoft 365** Admin Center, and **Entra**.
- Project Ownership: Led **Veritas NetBackup** upgrade, **QRadar HA**, and 1.6 TB file server cleanup.
- SOP Creation: Authored SOPs for Intune, shared mailboxes, and **DL** updates, ensuring consistency across the team.
- Continuous Learning: Attended **ITIL** training and enhanced skills in **Azure AD** & Security for identity protection.
- Collaboration: Worked closely with **Zscaler**, **Network**, and Infosec teams to ensure smooth IT operations.

Pacer Automation Pvt Ltd | Systems Engineer   April 2016 – Dec 2019

- Experienced Systems Engineer with 4 years in IT system management, software installation, and data security compliance.
- Proven expertise in backup operations, system migrations, and L1/L2 issue resolution.
- Skilled in managing Microsoft Windows environments, **Active Directory**, and **Office 365** licenses.
- Proficient in troubleshooting Outlook, USB, network printers, and connectivity issues.
- Strong knowledge of antivirus management and **LAN/WAN** networking.
- Competent in coordinating hardware support and maintaining systems with updates and patches.