

## SREEPRASAD N

Mobile No: **+91-9686622374**

Email: [sreeprasadn@gmail.com](mailto:sreeprasadn@gmail.com)



### Professional Summary

Total 10 years of competitive experience in information technology field with expertise in **DevOps, AWS solution Architecting & Deployment, Kubernetes, Docker, Ansible, Terraform, Linux, Automation, Cloud Security, Monitoring and Administration.**

- DevOps architecting, Build, Release and Deployment Management with Azure DevOps, Buildkite, Jenkins
- Solution Designing, Automating Deployments in AWS.
- Security Model for AWS cloud by integrating various AWS services
- Design Application containerization using Docker and Kubernetes, EKS, ECS, Lambda
- Infrastructure as code and deployment orchestration with CloudFormation, Terraform and Ansible.
- Develop complex ansible playbooks for application deployments in Kubernetes, EC2
- Expertise in Splunk configurations, Installation, Migration, Troubleshooting of Splunk distributed environment and passionate about machine data and operational intelligence
- Monitoring solutions with Datadog, Prometheus.
- Data onboarding, parsing and normalizing events with data models
- Linux Administration and troubleshooting
- Agile development. Capable to run Scrum events and grooming sessions
- Capacity planning, Cost estimation and optimization skills

### Key Skills

- AWS Solution designing and extensive experience in services – VPC, EC2, SNS, SQS, CloudFormation, Secret Manager, Systems Manager, CloudTrail, AWS config, Cloudwatch, Route 53, IAM, KMS, Directory service, Organization, S3, CloudFront, WAF, SSO, Lambda, step functions, Guard Duty, Security Hub, Inspector, MSK etc.
- Kubernetes, Docker administration and Expertise in EKS
- DevOps Architecting, CI/CD implementation, introduce latest services and tools for faster delivery of applications.
- IAC using Terraform, Cloudformation and ansible. Create reusable Terraform modules
- Linux Administration
- Shell, Python and Lambda Scripts
- Experience on Hashicorp vault, Kong API gateway, Kafka (MSK), Nginx ingress Controller, Forgerock
- Datadog and Prometheus for monitoring

- Using Splunk in Distributed environment and monitoring high ingestion of data
- Velero for kubernetes statefulset backup
- Project Management and strong team building skills
- Agile methodology

## Certification

- **AWS Certified DevOps Engineer – Professional**
- **AWS Certified Security – Specialty**
- **AWS Certified Solution Architect - Professional**
- **AWS Certified solution Architect Associate**
- **CKA – Certified Kubernetes Administrator**
- **Splunk Certified Architect II**

## Academic Credentials

Degree (PG)	Period	Board/University
B.Tech Computer Science and Engineering	2003-2007	LBS College of Engineering, Kasaragod, (Kannur University)

## Professional Experience: Detailed

### Deloitte

(Aug 2020 – Till Date)

#### Role:

**Senior Consultant**

#### Project:

**Transaction Monitoring Netherlands – Develop Platform, Setup CICD Process for the Joint venture of 5 banks in Netherlands to establish Transaction monitoring and collective fight against money laundering and the financing of terrorism.**

#### Technologies:

AWS – All Major services, EKS, MSK, ECR  
 Terraform, Ansible, Shell Scripting, Lambda, Atlantis  
 Azure DevOps, Buildkite, Sonarqube, Nexus, Datadog

#### Responsibilities:

- Establish Platform in AWS for transaction monitoring, CICD tools, implement cloud security best practices as per bank's standard, execute periodic assessments and create platform documentations.
- Platform Deployment with Terraform and Atlantis is used to for automating Terraform via Pull Requests.
- Deployment of platform components, Roles, Role bindings in Kubernetes are automated using ansible in pipeline
- Implement open policy agents for EKS and Pod security policies
- Centralize logging architecture for AWS, containers and microservices

- Development of init container to fetch secrets, certificates for microservices
- Automating Git secrets scanning
- Implementing WAF, Guard Duty, Inspector, AWS config, Event Bridge for better security monitoring

## **Deloitte**

**(May 2019 – July 2020)**

### **Role:**

**Senior Consultant**

### **Project:**

**Rabobank Digital Open Banking / Deloitte Open Data platform – Open Banking solution for fully digital loan application and processing. Another platform made for beyond banking service to enable growth from new revenue sources. Application and Build tools are hosted in EKS**

### **Technologies:**

AWS – All Major services, EKS, ECR repository, Docker  
 Lambda, Python, Bash, Terraform, Ansible  
 Azure DevOps, BuildKite, Sonarqube, Nexus, Clair  
 Kafka, Kong API Gateway, Hashicorp Vault, Nginx, Forgerock IAM  
 Datadog monitoring, Prometheus, Velero Backup

### **Responsibilities:**

- Platform development using AWS services, DevOps tools and technologies
- Design and Implementation of microservice deployment in EKS and AWS services for Application
- Structure kubernetes manifest files for Application deployment including deployments, Secrets, Configmap, Statefulsets, Daemonsets etc
- Develop reusable Terraform module and deploy AWS infrastructure using these modules. This includes creating multiple aws accounts from root account, OU structure, policies, IAM roles, EKS cluster, S3 buckets, CloudFront etc
- Develop Ansible playbooks for Platform component deployment and maintenance. All platform components like Kong, Kafka, Forgerock, Hashicorp vault, Nginx Ingress controller, Build tools, Velero, Datadog Agents and Prometheus
- Infrastructure and application monitoring with Datadog, create and maintain monitors and dashboards
- Handle the operational issues with Kafka, Kong, Nginx
- Automate the Certificate signing with Vault and Update the secrets required for the applications in Vault
- Frontend Deployment using S3, CloudFront and Lambda Scripts
- Open metrics integration with Prometheus

## **Accenture**

**(Oct 2015 – May 2019)**

### **Role:**

**Cloud Security Specialist/ DevOps Specialist**

### **Project:**

**ACE (Accenture Cybersecurity Engine) – A Product Offering enabling SaaS Cyber Security insights, threat intelligence and threat monitoring. Splunk as the application,**

## **infrastructure as a code with CloudFormation/Ansible, Source code management in VSTS,GIT and CI/CD pipeline with Azure visual studio.**

### **Technologies:**

AWS

Splunk Enterprise distributed environment

Multisite indexer cluster & Search head cluster

Splunk Enterprise Security

Ansible, AWX, Python, Lambda

RHEL, Amazon Linux, Windows

Azure Visual Studio Team Foundation and Git

### **Responsibilities:**

- Responsible for architecting, designing, implementing and supporting of cloud-based infrastructure and its solutions
- Managing Amazon Web services infrastructure with automation and orchestration tools such as CloudFormation and Ansible
- Develop Cloudformation templates to create complete AWS resources and set their properties that includes – VPC, IAM roles, policies, Autoscaling Launch configuration, Autoscaling groups, security groups, Network ACLs, route tables, Route 53 hosted zones, Elastic Load balancers
- Design and Manage IAM roles/policies for users, groups and services
- Develop complex ansible playbooks for OS hardening, Splunk installation, configuration and onboarding servers to infrastructure security services
- Develop Ansible playbooks for Operational work – Patching, Splunk Upgrade etc
- Build DevOps pipeline for multiple customer deployment using Visual Studio team foundation, manage continuous integration and deployment to UAT and Production environments
- Design Splunk Architecture for various T-Shirt Size model
- Configure and Administer Splunk Enterprise and Splunk Forwarder on Linux/Windows servers
- Enterprise security app installation, configuration and upgradation in cluster environment
- Client data onboarding, Parsing, normalizing events with CIM data models and Searching
- Upgradation and migration of Splunk Enterprise on distributed environment
- Creating enterprise security correlation searches and maintenance
- Manage Data archiving policies – Hot, Warm, Cold and Frozen bucketing
- Create dashboards for several type of business use case in organization
- Manage Splunk configuration files like – inputs, outputs, props, transforms and lookups
- Integration of Splunk authentication with Active Directory.
- Optimize search performance of splunk queries
- Develop Python, Bash and Lambda scripts for various requirements.
- Source code management in Azure visual studio and Git
- Develop backup strategies, implement with Lambda and life cycle
- Follow agile development methodology and completion of committed stories in every sprint
- Implemented autohealing features of EC2 instances with Auto Scaling, SQS, Lambda life cycle, python scripts and Persistent EBS volumes
- Create functional testing scripts and publish the results with deployment

**Oracle Corporation**

**(Jan 2014 - Sep 2015)**

### **Role:**

Software Engineer

**Project:**

Product Development and Deployment

**Technologies:**

RHEL and Oracle Linux

Jenkins, Git

Oracle Database

AWS, Oracle cloud

**Responsibilities:**

- Worked Linux server deployments and technical support in Cloud platform (AWS, Oracle), Exadata systems
- Worked closely with developers to ensure new environments meet their requirements and conformed to industry standard best practices
- Worked on many internal automation projects for Database and application deployments
- Managed GitHub repositories and permissions including branching, tagging and merging
- Developed and maintained automated CI/CD pipeline for code deployment using Jenkins and Maven
- Developed Ansible playbooks to deploy, configure, manage servers and application deployment
- Act as final point of contact for Linux/DevOps technical issues

**HP GlobalSoft Pvt Ltd**

**(Mar 2010 – Dec 2013)**

**Role:**

Linux Delivery consultant

**Project:**

Linux Shared Delivery

**Technologies:**

Linux – RHEL, SUSE, UNIX – Solaris and HP-UX

Vmware – Vsphere 4

Scripting – Bash

Ticketing tools – HPOV

**Responsibilities:**

- Core Linux System Admin duties – monitoring and troubleshooting of Linux servers
- SME role for Linux
- Incident Handling, Change management, Problem management
- Manage Linux file systems in LVM and RAID
- Build and Configure Linux servers based on customer requirement in blade system
- Installation and configuration of VMWare VSphere
- Manage OS backup with Mondo rescue, Read and Edge backup solutions
- Hardening of Linux servers
- Configure, manage and troubleshoot different services – FTP, NFS, SAMBA, SSH, Telnet, BIND DHCP, APACHE, Proxy(Squid and Dansguardian)
- Package management with yum, rpm and source code
- Firewall management with IPtables and TCA Wrappers
- Configure and manage HP Blade system – C7000 and C3000

**Personal Information**

Full Name	Sreeprasad N
Email	<a href="mailto:sreeprasadn@gmail.com">sreeprasadn@gmail.com</a>
Date of Birth	23/05/1986
Passport No	P8100391
Social Media	<a href="#">Linkedin</a>
Present Address	Aratt Vivera, Flat No- B607, Begur Koppa, Bolagudda road, Bengaluru – 560068, Karnataka, India
Languages Known	English, Malayalam, Kannada

**DECLARATION**

I hereby declare that all the statements made in this application are true and reliable to the best of my knowledge.

(Sreeprasad)