**Sree Pothula**

**srjayep@gmail.com**

[**612-978-1171**](mailto:612-978-1171/srjayep@gmail.com)

**https://www.linkedin.com/in/sreepothula/**

# Summary

* **25+ years of Systems and Cloud automation experience –** Infrastructure andcloud automation, Infrastructure pipelines, systems administration, disaster recovery and governance, data center architecture, database administration, performance tuning and capacity planning.
* **Manufacturing/Healthcare/Retail/Credit experience –** business and technical knowledge of Manufacturing processes, Healthcare data, and Retail markets.

**Education**

# University of St. Thomas, Minnesota

Master of Science, Information Technology

## Functional Skills

**DevOps**

* Automation
* SDLC
* CI/CD
* Release management
* Tests and Verification
* Operations and support

## Technical Skills

## Leadership

* Service Oriented architecture
* Enterprise Architecture
* Planning and Delivery
* Agile/Scrum
* Data architecture / design
* Vendor management

## Data

* Data Lake
* Data warehousing
* Database management

**DevOps stack:** Ansible, Tower, AWX, Terraform**,** Chef, Packer, Vagrant, Inspec, Artifactory, Git, Rake.

**Operating Systems:** IBM AIX, Linux, Windows

**Databases/Tools:** Oracle, SQL Server, DB2 UDB, Golden gate, Data guard, Influx.

**AWS:** EC2, EMR, S3, Cloud formation, IAM, Athena, Glue, RedShift, Networking and Cost explorer.

**Azure**: VM, ADO, ADLS, Resource manager, IAM, Overwatch, Networking, Databricks, Office 365, Advisor & Billing.

**Containerization**: OpenShift container platform.

**API Gateway:** Kong, Nginix

**Monitoring**: Data dog, Prometheus, Grafana, Kibana. **Programming:** Groovy, Python, Spark/Scala, Ruby, PL/SQL.

**Backup:** IBM Tivoli storage manager, Commvault.

**Storage, Networking & Hardware:** IBM XIV, DS8K, NetApp SolidFire, CISCO MDS & UCS , Exadata.

**Professional Experience**

## Bluestem Brands                                                                                                                                                           Aug 2021 - Present

**Technical Lead (Cloud & Data Operations)**

Responsible for gathering use case requirements, provision, automate and manage Ansible, Gitlab CI/CD, IBM, AWS cloud, Kubernetes infrastructure and implement and deploy business applications.

* Partnered with **Application and Database teams** to build, automate and deploy **AWS infrastructure** and applications.
* Deployed **AWS infrastructure using AAP/Ansible playbooks and Terraform,** maintain the state and desired state confirmation.
* Designed and developed **Ansible orchestration around Digital.ai templates, Ansible playbooks** using tagging strategy and automation.
* Worked and maintained **shell, python and groovy scripts** that interacted with various Linux systems, databases, including Oracle and Postgres an integrating them with our CI/CD and AWS infrastructure.
* Developed and maintained **CI/CD pipelines** to automate application deployment, testing, and monitoring using **Jenkins, Digital.ai, Ansible, Tower, Inspec, GitLab.**
* Migrateddata center infrastructure and applicationsto **AWS and created** **landing zone infrastructure in AWS**.
* Implemented **DevSecOps** pipelines part of IaC DevOps and application pipelines, ensuring adherence to enterprise security policies and standards.
* Worked with the Web & Mobile team to establish a **microservices architecture within AWS EKS.**
* **Automated EKS Kubernetes** infrastructure operations using **Terraform and Helm**.
* Worked with BI & Stakeholders to manage jobs using **EFT (Enhanced File transfer) & Active batch scheduling** to support Data warehouse operations and workflows.
* Promoted to Manager to manage the Cloud data team in providing technical solutions to business communities to implement customer journey and universal ID data products.

**Skills:** Infrastructure as code development, Continuous integration and deployment, Automation and systems and change management.

**Technology**: AWS cloud, Ansible, Tower, Linux, Windows, Kubernetes, Jenkins, Prometheus, Grafana, GitLab, Hashicorp Vault, Artifactory, EFT, Active batch, AWS Redshift, Databricks, Oracle.

**HealthPartners**                                                                                                                                                 **Jul 2017 – Aug 2021**

**Principal Cloud data & Platform Engineering**

Responsible for setting the IS&T Clinical IT Infrastructure, Platform, Cloud strategy and standards. Manage Infrastructure and engineering structures to support HP initiatives.

## Led and contributed to modernizing hybrid IT infrastructure (IBM & AWS)

## Led Oracle database management automation using Shell/Python scripting, Ansible and Tower.

## Developed IaC in Ansible, Python and shell scripting to automate IT operations and change management.

## Designed and developed immutable infrastructure for critical applications running AWS infrastructure.

* Architected and deployed **Oracle** database change tracking using **Liquibase, OpenShift and Jenkins.**
* Re-architected Web and mobile services into microservices to migrate to **OpenShift container platform** from WebLogic.
* Active contributor and the owner of **Jenkins shared library** developed in groovy for OpenShift platform engineering **CI/CD** operations.
* Lead Hadoop team implemented a data platform for bigdata and pipeline development using Gitalb CI/CD.
* Promoted the idea of **observability** and implemented for infrastructure and data teams.

## Adobe Systems Inc.

**Sr. DevOps Engineer** **Jun 2016 to Jul 2017**

* Built **EC2 instances, Load balancers, VPC, DNS routing** to support blue green deployment for product deployments and releases using **CI/CD infrastructure using Jenkins, Github.**
* Contributed to data science platform implementation using Kinesis, Spark, and Kibana for Adobe I/O product.
* Automated **AWS infrastructure deployment using Packer, Chef and Troposphere**.

**Technology**: AWS, Linux, Docker, Kinesis, Kibana, Ansible, Jenkins, Github, Adobe I/O API Platform, Packer, Chef, Artifactory.

## Pearson VUE

**DevOps Engineer** **Aug 2015 to Mar 2016**

* Provisioned & Built automation for Pearson product engineering using **AWS, vCloud infrastructure**.
* Setup **CI/CD framework** for Pearson VUE and ProcotorCam product teams.
* Automated the creation of immutable infrastructure using **Packer, Chef, Inspec and rake.**

**Technology**: AWS, Linux, Windows, Bitbucket, Vagrant, Packer, Chef, Inspec, Rake, Maven, Artifactory

## Bluestem Brands

**Sr. DevOps Engineer** **Mar 2016 to Jun 2016**

* Responsible for design, use and management of build pipeline engineering for both **on-premises and AWS**.
* Contributed to Infrastructure automation using **Chef**.

**Technology**: AWS,Linux, Windows, Github, Chef, Inspec, Rake, Jenkins

**Park Nicollet Health Services Sept 2007 – Aug 2015**

**Principal Systems Engineer**

* Managed team of 5 UNIX/Linux engineers.
* Subject matter expert for IS&T Linux/AIX infrastructure, DB2, Oracle data warehousing technologies.
* Design and implementation of infrastructure High Availability solutions for HP, Park Nicollet, and Methodist Hospital sites
* Helped migrate SQL Server data warehouse to Oracle.
* Worked with application teams and vendors on compliance (HIPPA & PCI), security, and risk management requirements.

**Technology**: AIX, Linux, Windows, Oracle, IBM Storage, Cisco MDS

## VED Soft Services Inc

**Systems Engineer** **Feb 2006 – Sept 2007**

* Responsible for AIX, Linux, TSM architecture, deployment, and support.
* Improved IO performance on AIX running Web based applications.
* Re-architected TSM Environment for faster restores and standardized TSM instances.

**Technology**: AIX, Linux, Tivoli storage manager

## IBM Global Services

**Advisory IT Specialist Jan 2001 to Jan 2006**

* Responsible for Data center Infrastructure and integration using AIX, Linux, and Middleware.
* Supported DB2, SSA, ESS (Shark) and DS4000 and DS8000 storage arrays.
* Implemented Java/web-based applications using Web Sphere, HTTP Server and MQSeries.

**Technology**: AIX, Linux, WebSphere, IBM Storage, MQseries, DB2 databases