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| SRILATHA T  [linkedin/srilatha](https://www.linkedin.com/in/srilatha-t-16a493124/)|  [thumatisri75@gmail.com](mailto:thumatisri75@gmail.com) |  +1 469-702-1933 |  [Github](https://github.com/Srilatha09-Aws) | AWS Certified Solutions Architect – Associate - Credly |

**Professional Summary:**

* 6+ years of experience specializing in DevOps engineering across **AWS, GCP**, and **Azure** environments. Expert in architecting and managing complex, scalable cloud infrastructures.
* Proven ability to design, implement, and optimize continuous integration and continuous delivery (CI/CD) pipelines using **Jenkins, Git, Maven**, and **Ant**, enabling rapid and reliable software releases.
* Skilled in IaC practices, leveraging **Terraform, Chef**, and **Puppet** for automated provisioning, configuration management, and infrastructure orchestration.
* Expertise in configuring and utilizing monitoring and logging tools like **ELK stack, Nagios**, and **Splunk** for proactive application monitoring, log analysis, and performance optimization.
* Proficient in .NET development (C#, ASP.NET, MVC, Entity Framework) and front-end technologies (JavaScript, HTML, CSS). Experience with integrating applications with databases using Entity Framework.
* Skilled in scripting languages (**Python, Shell, PowerShell**) for automating tasks, improving operational efficiency, and enabling infrastructure automation.
* Expertise in deploying, managing, and troubleshooting enterprise web applications on platforms like **Apache Tomcat**, **Nginx, WebSphere**, and **JBoss**. Ensures high availability and performance.
* Solid understanding of networking protocols (**HTTP, DHCP, DNS, SSL/TLS**) and security best practices. Experience with firewall management (iptables) and securing cloud environments.
* Proven experience working within **Agile methodologies**, contributing to iterative development, **sprint planning,** and continuous improvement initiatives.
* Strong analytical and critical thinking skills, with a demonstrated ability to quickly diagnose and resolve complex technical issues across diverse platforms and environments. Experience across the entire **SDLC**, from planning to post-production support.

**Technical Skills:**

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| Cloud Platforms | AWS, Azure |
| Continuous Integration (CI) | Jenkins, GitLab, Bamboo, Harness, GitHub Actions |
| Version Control Tools | GIT, Bitbucket, GitHub |
| Monitoring tools | Nagios, Splunk, Dynatrace, ELK, Datadog, Grafana, New Relic |
| Infrastructure As Code | Terraform, ARM templates, OpenStack |
| Configuration Management | Ansible, Chef, Puppet |
| Containerization and Orchestration | Docker, Kubernetes |
| Web Servers | Apache Tomcat, Nginx, WebLogic, Web Sphere |
| Database Systems | Oracle, MySQL, MongoDB, SQL Server, MS SQL, NoSQL, Cassandra DB, DynamoDB |
| Scripting Languages | Shell, Ruby, Python, PHP, Perl, JavaScript, PowerShell, JSON, YAML. |
| Application Servers | Apache Tomcat, Nginx, WebLogic, WebSphere |

**Certifications**

AWS Solution Architect Associate

**Work Experience:**

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|  | **EverNorth Health Sep 2023- Present Role: SR Cloud DevOps Engineer** |

**Project Description:** This project involved designing, implementing, and automating cloud infrastructure and deployment pipelines to streamline application provisioning and management. The goal was to ensure scalability, security, and high availability while reducing manual intervention in cloud resource management and application deployment**.**

**Responsibilities**

* Designed and deployed highly available and performant cloud infrastructure on **AWS** (EC2, S3, RDS, EBS, ELB, Auto Scaling), **Azure** (AKS, API Management, SQL Managed Instances, Key Vault), and **GCP** (GCE, Cloud Storage, Stackdriver). Expert in hybrid cloud strategies and multi-cloud deployments.
* Champion DevOps principles, driving CI/CD pipelines using Jenkins, GitLab CI, and Ansible. Automate infrastructure provisioning and configuration management with Terraform, maximizing efficiency and minimizing toil.
* Deployed and managed containerized applications using **Docker** and **Kubernetes** (AKS, EKS, GKE). Optimize container lifecycles and implement service mesh architectures for enhanced resilience.
* Master configuration management tools like **Ansible**, **Chef**, or **Puppet**. Develop and maintain **playbooks/recipes/manifests** for consistent and auditable infrastructure deployments.
* Developed and maintained reusable **Terraform** modules and ARM templates, enforcing IaC best practices for all cloud deployments and ensuring infrastructure consistency and repeatability.
* Implemented robust monitoring and logging solutions using **CloudWatch, Azure Monitor, and Stackdriver**. Proactively identify and resolve performance bottlenecks and security vulnerabilities.
* Designed and implemented end-to-end CI/CD pipelines, integrating **Git, Jenkins, GitLab CI**, and artifact repositories. Automate build, test, and deployment processes for rapid and reliable releases.
* Proficient in managing Linux environments (**CentOS, Ubuntu, RHEL**). Experience with shell scripting, system tuning, and security hardening.
* Experienced with relational databases (**SQL Server, MySQL, PostgreSQL**) and NoSQL databases. Develop and optimize database schemas and queries. (Mention specific technologies if applicable, e.g., T-SQL, N-Hibernate, LINQ to Entities).
* Utilized **Git, SVN, or TFS** for code management, branching strategies, and collaborative development. Promote best practices for code reviews and version control workflows.

**Environment:** AWS, GCP, IAM, S3, EC2, EBS, VPC, CloudWatch, ANT, Maven, Puppet, Jenkins, Ansible, Git, Git, Docker, Kubernetes, Vagrant, Terraform, Nagios, JIRA, Shell Script, Selenium, Apache Tomcat, JIRA.

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|  | **DEUTSCHE BANK June 2022- Aug 2023**  **Role: Senior Infrastructure Engineer** |

**Responsibilities**

* Designed, deployed, and managed highly scalable and resilient containerized applications on **Azure Kubernetes** **Service (AKS),** optimizing performance and cost-efficiency within financial services environments.
* Architect and implemented secure CI/CD pipelines using **Azure DevOps**, automating the deployment of Java and Python applications while integrating security best practices throughout the software development lifecycle.
* Deep expertise in core Azure services, including **Web Roles, Worker Roles, SQL Azure, Storage, and Active Directory**. Manage and maintain a secure and optimized Azure cloud environment.
* Conducted security assessments and compliance analysis for **FISMA (Moderate) and FedRAMP**, ensuring adherence to stringent regulatory standards and developing comprehensive Authorization & Accreditation (A&A) packages based on NIST 800-53 R3.
* Designed and deployed cost-effective and scalable serverless applications using **Azure Functions (formerly Lambda)** and API Management, maximizing resource utilization.
* Designed and implemented large-scale BI solutions leveraging **Azure Data Lake Storage Gen2, Data Factory,** **Databrick**s, and other Azure data services to empower data-driven decision-making.
* Planned and executed seamless migrations of on-premises workloads to Azure, utilizing **Azure Migrate, Azure Portal**, and **PowerShell** scripting for efficient and low-risk transitions.
* Developed and maintained IaC using **Terraform, Bicep, ARM templates**, and **PowerShell** to automate infrastructure provisioning and configuration management and ensure infrastructure consistency and repeatability.
* Deployed and managed containerized applications on AKS using **Azure CLI, Helm,** and other **Kubernetes-native tools,** optimizing for performance, security, and scalability.
* Utilized **Azure Monitor, Application Insights, Log Analytics**, and other monitoring tools to proactively monitor systems, troubleshoot issues, perform root cause analysis, and minimize downtime. Integrate with Splunk and AppDynamics for enhanced observability.

Environment: Microsoft Windows AZURE, Bicep, Azure AD, Azure SQL, Azure Network, Web Applications, Kubernetes, Virtual Machines, Ansible, Jenkins, Docker, Python, Power shell, Microsoft Azure Storage, SonarQube, Groovy, Maven, Git, Gitlab, ELK, CI/CD, Splunk, Jira, Nexus, Tomcat, GitHub, Linux.

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|  | **TCS, Mumbai, INDIA. May 2018 – Apr 2022  DevOps Engineer/System Engineer Admin** |

**Project: CISCO**

**Role: DevOps Engineer Nov 2019 – Apr 2022**

**Responsibilities**

* Created **Splunk** dashboard for **Artifactory application** and Monitored server logs. Configured email notifications, etc., for Artifactory critical errors and worked as a developer and administrator for Artifactory.
* AWS **EC2** Servers patching and Upgradation by **SSM** service in AWS.
* Creating custom dashboards on **Datadog** to monitor servers’ performance, creating alerts and notifications with Datadog queries. Pager duty as firefighter.
* Worked on Installation, Upgrade, Configuration, Maintenance, Patch/Package management, and Troubleshooting of the Operating systems and services.
* Worked on **AWS resources VPC, VPC endpoints, step function, and Sege maker**.
* Worked on installing multiple agents on **IAAS** (Infrastructure as a service like Splunk, Dynatrace, etc.)
* Snowflake administration, case onboardings, creation of data warehouses, databases, schemas, and sys account creation, granting permissions to the roles to the schemas and tables.
* Dat bricks cluster creation and maintaining the workspaces.
* Troubleshooting the s3 path access issues from data bricks and connection issues, scope, and secret creation to establish connections between **Snowflake** and **data bricks**.
* Troubleshooting the connectivity issues from the serverless account to Snowflake.
* Evaluate performance trends and expected changes in demand and capacity, and establish the appropriate scalability plans for Cost optimization.
* Troubleshooting the connectivity issues from serverless. Worked on multiple services **in AWS** like EC2, ECS, IAM, VPCs, Subnets, CloudTrail, S3, Guard Duty, etc.,
* Provided various process improvement recommendations for the High availability of Azure VMs.

**Project: Bose**

**Role: System Engineer Admin May 2018 – OCT 2019**

**Responsibilities**

* Engineered and maintained **Linux/Unix** server infrastructure, including OS installation, kernel parameter tuning, and performance optimization.
* Implemented and managed robust backup and recovery solutions, automating processes with shell scripting and ensuring data integrity across diverse environments.
* Collaborated with network teams on data center maintenance activities, including server reboots and planned downtime procedures.
* Managed **user accounts, groups, privileges**, and **resource permissions**, ensuring secure access control and compliance.
* Installed, configured, and maintained **Apache** web servers and **Java** application servers (WebLogic, WebSphere, Tomcat), including upgrades, patching, and performance tuning.
* Configured and troubleshot essential network services such as **NFS, NIS, DHCP, FTP, LDAP**, and Samba, ensuring seamless network connectivity.
* Implemented and managed clustered environments using WebSphere Application Server, ensuring high availability and fault tolerance.
* Developed and maintained Python scripts for application deployment automation, streamlining release processes, and improving efficiency.
* Implemented and customized JIRA for workflow management, issue tracking, and user collaboration, enhancing team productivity. Configured kickstart and managed patching via **Red Hat Satellite**.
* Deployed and managed applications on physical and cloud infrastructure, specializing in Linux and Tomcat administration for high-traffic websites. Performed security scans of code before deployment.

**Environment:** MySQL, Linux (Ubuntu), Red hat, WebLogic Server, WebLogic, Sun Solaris, UNIX, Windows, VMware, Microsoft Exchange, DNS, JIRA, Domain Controllers, Java, Eclipse, Python, Install Anywhere, Tomcat Apache Application Server.