

# Rama Katha

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Cloud & DevOps , Preston, UK.

## SUMMARY AND TECHNICAL SKILLS

- Results-driven Senior DevOps Engineer with overall **8 years of experience** where **6 years of experience** specializing in **AWS, Azure and DevOps** and **2 years of experience** in Citrix administration.
- Proven expertise in **architecting, developing and deploying scalable** applications that drive business growth
- Adept at translating complex requirements into **efficient, maintainable code** and **leading cross functional** teams to successful project outcomes.

## TECHNOLOGIES:

- **Software Technologies:** Python, Docker, Ansible, Terraform, Kubernetes
- **Version Control:** Git, GitHub
- **Cloud Technologies:** AWS&AZURE
- **Scripting Languages :** Shell and Python
- **CI/CD:** Jenkins, GitHub, Azure DevOps
- **Methodologies:** SDLC, Agile Methodology

## WORK EXPERIENCE

LoxamPad(Lavendon Group) - <>

November 2021 – Till Date

- Used **DevOps** tool **Ansible** for Configuration Management and **ElasticSearch, Kibana and Logs Explorer** for analysis.
- With the use of **Boto3 SDK**, automated the cluster controlling of Linux **EC2**.Which optimized the process of simulation..
- **Mentored** junior DevOps engineers in the team, doing code review and learning new things.
- Responsible for **scrum** and **sprint planning**, with help of **JIRA**. so that we can achieve the deadline with all products up and running. Integrating third party tools.
- Used Terraform for deploying Aws and Azure resources in an automated CI/CD process.
- Used kubernetes and Docker for efficient **CI/CD** processes. Used Jenkins and AzureDevOps for the Continuous Integration and Argo CD to deploy the manifests on the Kubernetes cluster.
- **Impact :** Reduced the deployment of new feature time from 4 hours to 10 mins by implementing End to End CI/CD.

Everis Consultancy - <>

May 2021 – October 2021

- Due diligence and evaluating customer requirements.
- Deployed Azure Kubernetes infrastructure using Azure DevOps pipelines.
- Integrating AKS with Azure Services like Azure SQL, Key Vault and, Redis.
- Building custom container images using Docker file & Docker Build.
- Deploying application on Azure Kubernetes Services leveraging multiple node pools.
- Validating end-to-end Infrastructure validation & application access.
- Successfully implemented Prometheus and Grafana for Monitoring and Observability.
- **Impact :** By implementing Prometheus and Grafana for advanced monitoring and analysis, enhancing system availability, alerting capabilities, and ensuring proactive issue resolution.

- Deployed Micro Services related application on Kubernetes cluster deployed on the AWS infrastructure.
- Improved the life cycle of notifications of the application with the help of **SNS and SQS, S3 and Lambda Function.**
- Managed source code standards, reviewing and **deployment** on **EC2 instances using CI/CD tools i.e Jenkins.**
- Managed the microservice architecture with load balancing, used hashed patient id to segregate load.
- **Impact :** By migrating the application on to Kubernetes and implementing load balancing using Ingress and Ingress controller, I made the application more scalable and available.

**Coupa Software - <>****Aug 2017 – Feb 2020**

- Worked as Azure administrator and Release engineer.
- Designed and deployed Azure infrastructure components, including VMs, VNets, Load Balancers, and App Services, leveraging ARM templates for automated provisioning through CI/CD pipelines in Azure DevOps.
- Implemented end-to-end CI/CD processes, leveraging Git and Azure DevOps, to streamline software delivery and release management.
- Deployed applications within Docker containers, ensuring scalable and efficient deployment in containerized environments.
- **Impact :** Gained hands-on experience in Terraform for deploying cloud resources, contributing to a versatile skill set in cloud infrastructure management.

**VWR Lab Products - <>****Feb 2015 – July 2017**

- Managed code repositories in GIT Version Control System, ensuring versioning and collaboration among diverse development teams.
- Developed and executed Software Release Management strategies for multiple applications, coordinating simultaneous releases across projects.
- Utilized Jenkins as the primary continuous integration tool, automating daily processes and ensuring efficient and reliable software builds.
- Administered Citrix environments to ensure optimal performance, scalability, and security for virtualized applications and desktops.
- Managed Citrix XenApp and XenDesktop deployments, handling configurations, optimizations, and troubleshooting for seamless end-user experiences.
- Performed routine maintenance tasks, including software updates, patching, and system monitoring, to uphold Citrix infrastructure reliability.
- Provided end-user support for Citrix-related issues, addressing concerns and optimizing configurations for improved performance.
- **Impact :** Seized the opportunity to collaborate with the build and release team, proactively enhancing my skills and transitioning into a DevOps Engineer role, demonstrating a commitment to continuous learning and career development.

**EDUCATION****Bachelors in Electronics&Communication - <> - India****July 2007 – March 2011****Senior Secondary School - <> - India****Apr 2005 – Mar 2007****ACHIEVEMENTS**

- **Best performer** award for consistently exceeding the performance.
- 100% on time deliverables and solely carried out the project.