

Mayank Singh Rathore

SENIOR DEVOPS ENGINEER / AI ENTHUSIAST

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PROFILE SUMMARY

A seasoned, Result Oriented DevOps Engineer with a total of 7+ years of extensive industry experience. With hands on knowledge on AWS, Linux and DevOps, I specialize in cloud engineering, cloud migration, containerization and designing highly available, resilient and scalable DevOps systems. I am equally experienced in spearheading full spectrum IT infrastructure and Problem Solving to deliver top-notch availability in addition to performance. Skilled in leading end-to-end network installation, configuration and updates coupled with exceptional problem-solving acumen, I've been recognized as an efficient and creative professional with solid multitasking capabilities and demonstrated excellent infrastructure planning and system optimization to drive major cost savings.

SKILLS AND TECHNOLOGY

Heads	Tools
DevOps & Platform Engineering	<ul style="list-style-type: none">• DevOps Engineering, Platform Engineering, High-Level System Design• Infrastructure as Code (IaaS): Terraform, Ansible, Chef, CloudFormation (CFT), Azure Resource Manager (ARM)• Configuration & Automation: Ansible, Puppet
Cloud & Infrastructure	<ul style="list-style-type: none">• DevOps Engineering, Platform Engineering, High-Level System Design• Infrastructure as Code (IaaS): Terraform, Ansible, Chef, CloudFormation (CFT), Azure Resource Manager (ARM)• Configuration & Automation: Ansible, Puppet
CI/CD & Release Engineering	<ul style="list-style-type: none">• CI/CD Pipelines: GitOps, Jenkins, GitHub Actions, ArgoCD, Azure DevOps, AWS DevOps• Artifact Management: JFrog Artifactory, Nexus Repository
Monitoring, Observability & AIOps	<ul style="list-style-type: none">• Monitoring & Logging: Prometheus, Grafana, ELK Stack, Graylog, Zabbix• AIOps: Datadog AIOps, Dynatrace, Moogsoft, PagerDuty (AI-driven incident response)
Generative AI & MLOps	<ul style="list-style-type: none">• Generative AI Frameworks: LangChain, LlamaIndex, Hugging Face, Ollama• Vector Databases: Pinecone, Weaviate, ChromaDB• Model Serving & APIs: FastAPI, Flask, TorchServe• Model Lifecycle & Deployment (MLOps): MLflow, Kubeflow, Airflow• LLM Ops & Prompt Engineering: RAG (Retrieval Augmented Generation), Prompt Optimization, Fine-tuning
SCM, Collaboration & Reporting	<ul style="list-style-type: none">• Version Control: Git, GitHub, GitLab, Bitbucket, SVN• Collaboration & Issue Tracking: JIRA, ServiceNow (SNOW), Confluence
Programming & Scripting	<ul style="list-style-type: none">• Scripting: Bash, Shell, PowerShell, Groovy, Python• Programming Languages: Python (Data/AI focus), Java, Go (for cloud-native tooling)

WORK EXPERIENCE

SENIOR DEVOPS ENGINEER

SIEMENS TECHNOLOGY AND SERVICES, BENGALURU

Jan 2023 – Present

- Worked as Key-Contributor in Requirements Gathering, Classification and Feasibility Study for client demands to implement cloud-native solutions.
- Worked on Cloud Migration, DevOps Setup & App containerization from ground-up on AWS.
- Served as Release Manager, orchestrated deployments and releases over customer-facing environments with continuous monitoring enabled.
- Owned end-to-end DevOps topics, orchestrated High Availability, Scalability and Resiliency
- Artifactory and Version Management
- Worked as Kubernetes Cluster Admin managing app deployments, RBAC, Cluster-Level Disaster Recovery, Backup and Restore on OpenShift Cluster
- Key Tools – AWS, Terraform, OpenShift, ROSA, ArgoCD, GitOps, Docker, Kubernetes, Helm, Prometheus, Grafana, ELK, AMQ, SFTPPLUS

SENIOR DEVOPS ENGINEER

IBM PVT. LTD., BENGALURU

Sep 2021 – Dec 2022

- Worked as a CI/CD Administrator, Release Administrator for UK Based Partner towards managing non-prod environments and orchestrated releases and delivery in non-prod environments over Azure Cloud.
- Worked towards Infrastructure Provisioning and management for non-prod environments.
- Contributed to Compliance Management, Backup and Recovery
- Curated multiple Pipelines on Azure Pipelines to orchestrate Build, Deployments and Reporting
- Key Tools – MS Azure, Azure DevOps, ARM Templates, Prometheus, Grafana

SENIOR DEVOPS ENGINEER

MINDTREE LTD., BENGALURU

Aug 2020 – Aug 2021

- Worked as a CI/CD Administrator, Release Administrator for UK Based Partner towards managing non-prod environments and orchestrated releases and delivery in non-prod environments over Azure Cloud.
- Worked towards Infrastructure Provisioning and management for non-prod environments.
- Contributed to Compliance Management, Backup and Recovery
- Curated multiple Pipelines on Azure Pipelines to orchestrate Build, Deployments and Reporting
- Key Tools – MS Azure, Azure DevOps, ARM Templates, Prometheus, Grafana

DEVOPS ENGINEER

MINDTREE LTD., BENGALURU

Oct 2018 – Jul 2020

- Worked towards CI/CD and infrastructure management for Partner Private Cloud environment (on-premises)
- Contributed towards General Troubleshooting, Artifact Management and Optimizations on existing systems.
- Key Tools – Oracle WebLogic 12c, Jenkins, SOA, SonarQube, Nexus

CERTIFICATIONS

AWS Certified Solutions Architect [AWS SCAA C03]

Microsoft Certified Azure Administrator [AZ-104]

Docker Certification

Kubernetes Certification

EDUCATION

DEGREE	SPECIALIZATION	UNIVERSITY	INSTITUTION	TENURE	GPA / %
Bachelor of Technology	Computer Science and Engineering	West Bengal University of Technology	Calcutta Institute of Engineering and Management	2014 – 2018	8.2
Higher Secondary Education (12th)	Science with Computer Science	Central Board of Secondary Education	THE PENTECOSTAL ASSEMBLY SCHOOL, BOKARO STEEL CITY	2011 – 2013	77.6%
Senior Secondary Education (10th)	-	Central Board of Secondary Education	HOLY CROSS SCHOOL, BOKARO STEEL CITY	2010 – 2011	9.2

SOFT SKILLS

Strong Communication and Articulation Skills

Leadership

Problem Solving

PROJECTS AT A GLANCE

Index	Project Title	Domain	Company	Roles and Responsibilities	Duration
1	SE EDI	Digitization	SIEMENS	<ul style="list-style-type: none"> Complete Migration from On-prem to AWS Infrastructure Planning and Realization on AWS Setting up SCM on Gitlab and setting up of GitOps based CICD Pipelines Kubernetes Cluster Setup and Administration Installation and configuration of various DevOps tools like OpenShift, ArgoCD, Prometheus, Grafana, Zabbix, Graylog Containerization of 30+ mission critical Java and C++ Applications Setting up of communication tools like SFTPPLUS and OPENFT Artifact Hosting and Release Management Certificate Management, Security and Compliance Handling Optimization and AI Adoption 	Jan 2023 – present
2	Barclays	BANKING	IBM	<ul style="list-style-type: none"> AWS Infrastructure Automation and Management using SC Catalog Curation of CICD Pipelines on Jenkins Enterprise Using and contribution to Jenkins Shared Libraries Change Management on SNOW Deployments, Release Management General Troubleshooting and Network Whitelisting OpenShift Cluster Administration 	Sep 2021 – Dec 2022
3	FLOWER FOODS	FOOD	MINDTREE	<ul style="list-style-type: none"> Infrastructure Planning and Realization on Azure Monitoring and Telemetry of Azure Services Creation of Azure DevOps Pipelines for CICD Artifact Hosting and Change Management Application Deployments over customer-facing environments General troubleshooting Compliance Management Backup and Recovery 	Aug 2020 Aug 2021
4	SITA	AIRLINES	MINDTREE	<ul style="list-style-type: none"> Server Administration for Oracle WebLogic Server 12c for non-prod and prod environments. User Management and RBAC Code Quality Management Build Management Creating and Maintaining CICD Pipelines on Jenkins Artifact Management and Deployments to non-prod and prod environments Creation of multiple automations using PowerShell and Bash Scripting 	Oct 2018 – Jul 2020