# Manam Bhatt

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## Career Profile

- Certified Senior DevOps Engineer with 9 years of experience in CI/CD pipelines.
- Expertise in collaborating with development teams to streamline build, release, and deploy.
- Skilled in automating the infrastructure using Terraform and Ansible.
- Strong background in database management, SQL optimisation, and high availability.
- Experienced in containerization management using Docker and Kubernetes.
- Possessing scripting experience with Unix, Python, YAML for automation and integration.
- Expertise in cloud computing and distributed systems on Azure, AWS, and Google Cloud.
- Demonstrated leadership in team collaboration, project delivery, and problem-solving.

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## Key Skills-

**DevOps Tools:** Git | Github Actions | GitLab | AWS CodePipeline | Azure DevOps | Jenkins | Terraform | Ansible | Docker | Kubernetes | Maven | NPM | Splunk | Prometheus | Grafana

**Security** : SonarQube | Blackduck | Fortify | AWS IAM | Azure Security Center

**Project Management** : JIRA | Confluence | Azure Boards | ServiceNow

**Scripting** : YAML | BASH | Python | JSON

**Cloud** : Azure | AWS | GCP

**Frameworks** : Agile | Scrum

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## Experience

**Senior DevOps Engineer, Xebia**                                             **May 2024 – Present**

Location : Toronto

- Responsible for maintaining CI/CD pipelines using **GitHub Actions** to manage infrastructure deployments for both **Azure** and **AWS** cloud, ensuring seamless integration and automation.
- Provisioned and managed multi-cloud infrastructure using **Terraform** (IaaC) ensuring scalable and consistent infrastructure deployment.
- Deployed and managed cloud networking and infrastructure on Azure and AWS, including VPCs, resource groups, app services, and IAM roles, optimizing performance and cost.
- Performed security operations such as firewall rules configuration, NSG (Network Security Group) rules management, and enforced security policies and access control.
- Integrated **security scans(SAST/DAST)** into CI/CD pipelines, enhancing the security of deployed applications and infrastructure.
- Executed **SQL database** management tasks including database restoration, export, and deletion to ensure data integrity and availability.
- Managed user access, roles, and permissions in AWS IAM and Azure EntraID ensuring security and compliance.
- Investigated and resolved issues within Cloud resources ensuring minimal downtime
- Used Prometheus, Grafana, AWS CloudWatch and Azure monitors service for full-stack monitoring of applications, infrastructure and networks.

**Senior DevOps Engineer, Accenture**                                    **Dec 2021 - JUL 2023**
Client - U.S. Bank
- Accountable for migrating **microservices** (using Spring Boot and Maven) to Azure, reducing costs by 20%, improving time-to-market by 25%, and cutting operational tasks by 40%.
- Implemented a **CI/CD** pipeline with Azure DevOps and **GitLab**, reducing development time and increasing deployment velocity by 30%.
- Set up **Kubernetes** environment and clusters, ensuring scalability, high availability, and secure deployments.
- Developed multi-stage **Dockerfiles** to create stable, lightweight containers, reducing deployment time and VM overhead.
- Integrated **testing tools** such as SonarQube and Twistlock into the pipeline which ensured code quality, and early identification of vulnerabilities.
- Used **Splunk** to troubleshoot container crashes, configuration errors, and Pod scheduling.
- Utilized Azure services Azure Key Vault for **secret management** contributing to reduced overhead for key management and compliance audits.
- Azure Boards, Jira and Confluence to align development tasks with business requirements, enabling effective sprint planning and execution within the **Scrum framework**.
- Resolved complex merge conflicts in GIT and ensured code consistency among the team.
- Facilitated Scrum meetings with clients and managed communication with stakeholders.

**DevOps Engineer, CITI Bank**                                          **Sep 2015 - Dec 2021**
Client - CITI Bank
- Led the migration of SOA applications from On-prem to **Azure** and **AWS** Cloud for technology stacks encompassing Java, Python, Angular/Node, and .NET.
- Implemented and version control with BitBucket, boosting commits by 20% over IBM RTC.
- Managed **Jenkins pipelines** for automating build, test, and deploy processes, increasing release frequency by 40%.
- Utilized Terraform and **AWS Cloudformation** to set up the infrastructure resources over the cloud, resulting in a 50% reduction in human errors or a 50% faster time-to-deployment.
- Utilized **Ansible** playbooks for streamlined automation of infrastructure provisioning and configuration management, reducing 50% of manual Tasks and 40% of deployment time.
- Configured **Kubernetes** manifest file to implement features such as auto-healing using readiness and liveness probes and Replicasets for Horizontal Pod **Autoscaling**.
- Used Jira and Confluence for collaboration, and managed Change Requests and Tasks for application deployment with ServiceNow.
- Developed a **POC** using **AWS CodeDeploy** to showcase the ability to explore and adopt new technologies for improving product support and development processes.

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**Certifications**

- **AWS** Certified Cloud Practitioner
- **GCP** Professional Cloud DevOps Engineer
- **AZ-900**: Microsoft Azure Fundamentals
- **AZ-204**: Developing Solutions for Microsoft Azure
- **AZ-400**: Microsoft Certified: DevOps Engineer Expert

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**Education**

- Masters of Technology (Software Engineering)    [2020]
- Bachelor in Computer Applications              [2015]