

Saket Vishwakarma

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Address: Ska Metro Ville, Greater Noida, UP 201310

DEVOPS | CLOUD & AUTOMATION SPECIALIST

Certified Cloud and DevOps Engineer with 4 years of experience in building, automating, and optimizing cloud infrastructures using Azure (AZ-104, AZ-305, AZ-400), Google Cloud (ACE), and GitHub. Skilled in CI/CD pipelines, Infrastructure as Code (IaC), and container orchestration with expertise in Jenkins, Ansible, Terraform, and Kubernetes. Strong background in Data Science and Analytics, leveraging SQL, MongoDB, Tableau, and machine learning frameworks to extract insights and drive data-driven decisions. Experienced in big data technologies like Apache Spark and Hadoop. Passionate about automating deployments, improving system efficiency, and leveraging data for innovation. Adept at bridging the gap between DevOps and Data Science to create scalable, high-performance solutions.

PROFESSIONAL EXPERIENCE

Infrastructure Engineer

Tata Consultancy Services (TCS) | March 2021 – Present

- Managing and optimizing cloud infrastructure on Azure to ensure high availability, security, and compliance.
- Designed and implemented CI/CD pipelines using Azure DevOps, improving software delivery efficiency.
- Automated infrastructure provisioning using Terraform, Ansible, and PowerShell to ensure consistency and scalability.
- Developed and maintained monitoring/logging solutions using Dynatrace and Azure Monitor.
- Worked with SQL and MongoDB to optimize database performance and ensure high availability.
- Ensured compliance with banking security standards including IAM policies and encryption mechanisms.
- Collaborated with Agile teams to deliver high-impact infrastructure solutions.
- Provided technical guidance and support for troubleshooting infrastructure issues.

PROJECTS

🔗 Azure Infrastructure Deployment using Modular Terraform Architecture

GitHub: https://github.com/saketVishwakarma/terraform_multistage_cicd

- Designed and deployed modular Azure infrastructure including VNet, Key Vault, Linux VM, and PostgreSQL Flexible Server using Terraform.
- Implemented reusable module structure with environment-based variable inputs for scalability and maintainability.
- Integrated secret management through Azure Key Vault and remote-exec provisioning for VM setup.
- Streamlined deployment using GitHub workflows and Terraform Cloud.

🔗 Azure Virtual Machine Provisioning using Terraform (Flat Structure)

GitHub: <https://github.com/svsaket/terraform-azure-vm>

- Developed a straightforward Terraform configuration to provision Linux-based Azure VM and networking resources.
- Used SSH key authentication and installed NGINX via remote-exec.
- Showcased Infrastructure as Code best practices in a simplified structure for quick setup or PoC environments.

🔗 End-to-End Deployment of React-based Tic Tac Toe Game on Azure App Service using Docker

GitHub: <https://github.com/saketVishwakarma/tic-tac-toe-mern>

- Developed a Tic Tac Toe game with a React frontend and Node.js backend, containerized using Docker.
- Pushed Docker images to Docker Hub and deployed the container on Azure App Service using Terraform.

- Automated deployment pipeline via GitHub Actions with built-in cost estimation (Infracost), security scanning (Checkov, Trivy), and Terraform IaC.
- Ensured secure parameter management using GitHub Secrets and Azure Key Vault.

TECHNICAL SKILLS

Cloud & DevOps:

- Cloud Platforms: Azure (AZ-104, AZ-305, AZ-400), Google Cloud (ACE)
- CI/CD & IaC: GitHub Actions, Azure DevOps, Ansible, Terraform
- Scripting: PowerShell, Python
- Monitoring: Dynatrace, Azure Monitor
- Containers: Docker, Kubernetes

Data Science & Analytics:

- Databases: SQL, MongoDB
- ML & ETL: Azure Data Factory
- Big Data: Apache Spark (PySpark), Hadoop

Web Technologies:

- Frontend/Backend: HTML, CSS, JavaScript, React, Node.js
- API Development: REST APIs

EDUCATION

Bachelor of Computer Science & Engineering
Shri Ramswaroop Memorial University | Graduated: 2020

ADDITIONAL DETAILS

Date of Birth: 01-07-1998