

Vijay Kumar Singh

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CAREER OBJECTIVE

Certified Associate Cloud Engineer with proven project experience in cloud platforms and DevOps tools, including GCP, Azure, AWS, Terraform, Kubernetes, and CI/CD pipelines. Adept at enabling automated, secure infrastructure deployments and optimizing system performance. Seeking a Cloud DevOps Engineer role to drive innovation through cloud-native practices. Committed to continuous professional development and contributing to the tech community.

WORK EXPERIENCE

Technical Writer

Hashnode, Remote

July 2023–Present

- Authored technical blogs, separate series on DevOps and cloud computing, driving a 30% engagement increase.
- Automated workflows using Bash and Python, improving efficiency by 30%.

IT Support Consultant

Freelance, India

Aug 2016–July 2019

- Supported over 100 services in resolving IT issues, ensuring 98% uptime for clients (Utilized tools AnyDesk, TeamViewer and Meet).
- Supported in new technology implementation and trained users in new and existing IT systems.

SKILLS

Cloud Computing Platforms: Azure, AWS, GCP

Tech Stack: Terraform, Kubernetes, Docker, Linux, Git, Jenkins, Azure DevOps, AgroCD, PowerShell, Python, Bash

Visit my Portfolio Website for credentials & certifications.

PROJECTS

GitHub Repositories Showcase | *Python* | *GitHub REST API* | *GitHub Actions* | *Live* **Project Link**

Developed an automated GitHub portfolio that dynamically showcases repositories.

- Implemented CI/CD pipelines with GitHub Actions to ensure the portfolio remains up-to-date.
- Enhanced user experience with features like dark mode, technology filters, and blog integration.

NBA Analytics Data Lake | *AWS* | *S3* | *Glue* | *Athena* | *Lambda* | *EventBridge* | *Python* **Project Link**

Designed and deployed a serverless, scalable data lake on AWS to collect, process, and analyze historical NBA game data.

- Automated data ingestion using AWS Lambda functions triggered by EventBridge, transforming raw JSON data into optimized Parquet format.
- Implemented schema evolution and data cataloging with AWS Glue, enabling efficient querying of large datasets using Athena and SQL.

NBA Game Day Notification System | *AWS* | *Lambda* | *SNS* | *EventBridge* | *Python* [Project Link](#)

Developed a serverless, event-driven notification system that alerts basketball fans about upcoming NBA games involving their favorite teams.

- Utilized AWS Lambda functions triggered by EventBridge to fetch game schedules from the NBA API and send personalized email notifications via AWS SNS.
- Optimized Lambda function performance to reduce cold start times, ensuring timely and efficient notifications.

3-Tier Architecture deployment on AKS | *Azure* | *Terraform* | *Jenkins* | *Sonarqube* | *Docker* [Project Link](#)

Deployed a 3-tier Java application across local, containerized, and Azure environments using modular Terraform.

- Automated build, containerization, and deployment processes via Jenkins, ensuring scalability and reliability on AKS.
- Leveraged Terraform Workspaces for infrastructure provisioning.
- Integrated SonarQube for code quality analysis and Trivy for Docker image security scans, ensuring compliance with high standards.

EDUCATION

National Institute of Technology, Kurukshetra, IN
M.Tech in Renewable Energy Systems

CGPA | 8.74
Aug 2019 - Oct 2021