

SINDHUJA SHAGA

Software DevOps Engineer | shagasindhuja2000@gmail.com | [LinkedIn](#)

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SUMMARY

Dynamic and detail-oriented **DevOps Engineer** with **3+ years** of experience in **automating, deploying, and managing cloud-based infrastructure and CI/CD pipelines**. Demonstrated success in **streamlining development workflows** using tools like **Jenkins, Azure DevOps, Kubernetes, and Terraform**. Adept at writing efficient scripts in **Python, Bash, and PowerShell** to enhance productivity and reduce manual effort. Strong collaborator with **Agile teams**, contributing to **robust, secure, and scalable solutions** across development and production environments. Passionate about solving **complex technical challenges** and driving **continuous integration and delivery**. Proven ability to implement **best practices**, optimize **deployment strategies**, and elevate **system reliability** while aligning solutions with **organizational objectives and industry standards**.

TECHNICAL SKILLS

CI/CD & Automation:	Azure DevOps, Jenkins, Github Action, SonarQube, ArgoCD
Cloud Platforms:	AWS (EC2, S3, RDS), CloudWatch, Azure (VM, App Services, AKS), Cloud Services Experience, GCP
Infrastructure as Code:	Terraform, ARM Template, AWS CDK
Configuration Management:	Ansible, PowerShell
Databases & Queuing Systems:	MySQL, PostgreSQL (Timescale), Elasticsearch, RabbitMQ
Containerization & Orchestration:	Docker, Kubernetes, Helm
Version Control:	Git, GitHub, Jira, Trello, Bitbucket
Monitoring & Logging:	Prometheus, Grafana, ELK Stack
Methodologies:	SDLC, Agile (Scrum, Kanban), Waterfall
Scripting & programming:	Python, Bash, Golang, PowerShell, Go, JavaScript, C programming, C++, Java
Configuration Servers:	Linux, Ubuntu, NGINX
System Administration:	Active Directory Services, Office 365 Administration, IT Infrastructure Systems

PROFESSIONAL EXPERIENCE

Software Analyst (DevOps Engineer) | DXC Organization, India.

Sept 2021-July 2023

- Implemented and managed the **end-to-end software development pipeline**, encompassing **source control, deployment, maintenance, and automation** from development through production. Maintaining a perfect **Software Development Life Cycle (SDLC)** in building applications.
- Increased deployment rate of 'Corteva' and 'MicroFocus' projects by 10% and 15% respectively using **Microsoft Azure Kubernetes Services**.
- Contributed to **CI/CD automation** using **Jenkins**, managing the creation and storage of **Docker images** while developing **Groovy** and **YAML scripts** for pipeline configuration.
- Adhering to best practices, facilitated branch management and collaborated with the development team to resolve merge conflicts. Additionally, I was responsible for designing and optimizing pipeline performance builds.
- Assisted in **proof-of-concept (POC)** initiatives, including **Multi-Tenancy, SonarQube Modular Pipeline, and ASOD Modular Pipeline**, and documented the findings for future implementation.
- Provisioned and managed cloud infrastructure using **Terraform** and **ARM templates**, ensuring secure and consistent environments across development and production.
- Monitored system performance and health using tools like **Prometheus, Grafana, and Azure Monitor**, enabling proactive incident response and resolution.
- Managed configuration and environment consistency with **Ansible** and **PowerShell**, reducing manual setup time and error rates.
- Participated in **Agile sprint ceremonies**, including planning, reviews, and retrospectives, aligning DevOps activities with iterative development cycles.
- Ensured **security compliance** by implementing role-based access control, integrating vulnerability scans, and maintaining audit logs across CI/CD workflows.

DevOps Engineer | Vcube Technologies, India

- Assisted in creating and configuring basic **CI/CD pipelines** using Jenkins and **Azure DevOps**, enabling automated builds and deployments for first-time microservice projects.
- Wrote **Bash** and **Python scripts** to automate routine tasks such as environment setup and log rotation, reducing manual configuration time by 30%.
- Collaborated with senior engineers to deploy containerized applications on **Docker**, gaining hands-on experience with image creation, registry management, and **Azure cloud** resource provisioning.

EDUCATION

Master of Science in Computer Science, Cumulative | GPA: 3.86

May 2025

University of Dayton, Ohio, USA

Bachelor of Technology in Electronics and Communication Engineering, Cumulative | GPA: 3.68

June 2021

MRCET, India

CERTIFICATION

- ◆ Attained Microsoft Azure Basic Fundamentals (AZ-900) certification
- ◆ Earned Microsoft Azure Associate Administrator Professional (AZ-104)
- ◆ Earned a certification in Introduction to Data Science in Python on Coursera.
- ◆ Certified in Programming for Everybody through Coursera.

ACADEMIC PROJECTS

Grocery Shop Application | Android Studio

Built a dynamic UI using XML layouts, RecyclerView, and CardView with infinite scrolling. Integrated Retrofit and Kotlin Coroutines for robust asynchronous REST API calls with JSON parsing and error handling. Enabled offline support and performance optimization via Room database and Glide for efficient image caching.

CI/CD Framework | Jenkins & SonarQube

Created a parameterized Declarative Pipeline with dynamic inputs and credential injection using the Credentials Binding Plugin. Integrated Sonar Scanner with SonarQubeEnv and QualityGate() to enforce quality gates. Used the Artifactory Plugin to publish versioned artifacts via REST API and trigger Docker image promotions for automated rollbacks.

Lip-Synced Avatar Video Generator | LIPGAN, PoseVAE, GFPGAN

Created realistic lip-synced videos with facial and head movements using audio and a single image. Used PoseVAE for pose dynamics and GFPGAN (with StyleGAN and U-Net) for facial restoration. Integrated GitHub workflows to support voice + image input for avatar video synthesis.