

# HARSHAVARDHAN VADLA

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## CLOUD / DEVOPS ENGINEER

DevOps Engineer with 3+ years of hands-on experience supporting cloud-based applications in enterprise environments. Strong background in CI/CD automation, infrastructure as code, container platforms, and cloud operations across Google Cloud Platform, AWS, and Azure. Experienced in building and maintaining deployment pipelines for .NET applications, managing Kubernetes workloads, and automating infrastructure using Terraform. Comfortable working in regulated and high-availability systems with a quality-first mindset gained from prior QA experience.

## TECHNICAL SKILLS

- **Programming & Scripting:** Python, JavaScript, Shell Scripting (Bash), Core Java
- **Cloud Platforms:** Google Cloud Platform (Compute, IAM, Monitoring), AWS (EC2, S3, RDS, IAM, Lambda, VPC), Azure (VMs, AKS, Azure DevOps)
- **CI/CD & DevOps Tools:** Jenkins, GitHub Actions, GitLab CI/CD, Azure DevOps Pipelines, Git
- **Application Platforms:** .NET application build and deployment support, microservices, REST-based services
- **Containerization & Orchestration:** Docker, Kubernetes (AKS, Kubernetes basics on GCP)
- **Infrastructure as Code & Configuration:** Terraform, Ansible, AWS CloudFormation
- **Monitoring & Observability:** Prometheus, Grafana, AWS CloudWatch, ELK (basic exposure)
- **Testing & QA Tools:** Selenium, TestNG, Postman, SOAP
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows
- **Other Tools:** Jira, PowerShell

## PROFESSIONAL EXPERIENCE

### M2 Systems LLC

CLOUD / DEVOPS ENGINEER

Jan 2025 -Present

New Jersey, USA

- Designed and supported cloud infrastructure on Google Cloud Platform and AWS for enterprise applications running in production.
- Built and maintained CI/CD pipelines for .NET applications using Jenkins, GitHub Actions, and Azure DevOps, supporting frequent and reliable releases.
- Containerized .NET services using Docker and deployed workloads to Kubernetes clusters, ensuring consistency across environments.
- Automated infrastructure provisioning using Terraform for cloud resources across multiple environments.
- Supported application configuration, secrets management, and environment variables for .NET workloads running in containers.
- Implemented monitoring and alerting using Prometheus, Grafana, and CloudWatch to track application health and infrastructure performance.
- Created dashboards for CPU, memory, pod health, service availability, and deployment stability.
- Assisted with production incidents, performed root cause analysis, and worked closely with development teams to restore services.
- Applied cloud security best practices including IAM roles, least-privilege access, and secure resource configurations.
- Supported environments following enterprise change management and operational standards.

### Tek Riders Inc

CLOUD / DEVOPS ENGINEER

Aug 2024 -Jan 2025

New Jersey, USA

- Supported DevOps operations for cloud-hosted applications across AWS and GCP environments.
- Assisted with CI/CD pipelines for application builds and deployments, including .NET-based services.
- Helped manage Docker-based deployments and Kubernetes workloads with focus on platform stability.
- Automated infrastructure provisioning and updates using Terraform and Ansible.
- Configured monitoring for applications and infrastructure using Prometheus and Grafana.
- Integrated monitoring and quality checks into CI/CD workflows to catch issues early.

- Worked closely with cross-functional teams to troubleshoot deployment, infrastructure, and runtime issues.
- Followed structured processes suitable for enterprise and financial-style environments.

## **Caprus IT Inc**

*Test Analyst / QA Automation Engineer*

**Mar 2021 -Aug 2022**

*Hyderabad, India*

- Designed and executed manual and automated test strategies for web, API, and database layers.
- Built and maintained automation test suites using Selenium and TestNG, improving regression coverage.
- Performed functional, integration, regression, and performance testing across multiple modules.
- Collaborated in Agile/Scrum teams, working closely with developers and DevOps teams to ensure release quality.
- Tracked and validated defects using Jira, supporting timely resolution and release readiness.

## **CERTIFICATIONS**

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- Microsoft Certified: Azure Fundamentals (AZ-900)

## **EDUCATION**

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**University of Bridgeport, Connecticut**

*Master of Science, Computer Science*

**2024**

**Gitam Institute of Technology, Bangalore**

*Bachelor of Technology*

**2018**