

Yeshwanth Kanukuntla

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SUMMARY

Results-driven DevOps and Cloud Engineer with expertise in cloud architecture, automation, and security governance. Proficient in designing and deploying cloud solutions with Microsoft Azure, Kubernetes, and DevOps tools. Experienced in defining cloud strategies, implementing governance frameworks, and training teams on best practices. Adept at collaborating with security teams and application teams to ensure compliance, scalability, and efficiency in cloud environments.

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, SQL, Bash, PowerShell, C#

Cloud Platforms: Azure, AWS, Microsoft Azure Security Center, Azure Active Directory

Software Testing: Manual Testing, Regression Testing, Automated Testing (Selenium, QF-Test, Cypress)

API Testing: Postman, PyTest, REST APIs, SOAP APIs, Azure API Management Service

DevOps CI/CD: GitHub Actions, Jenkins, Docker, Kubernetes, Terraform, Azure DevOps, Azure Site Recovery

Infrastructure as Code: Terraform, Ansible, PowerShell DSC, Azure Resource Manager (ARM) templates

Other Tools: JIRA, Visual Studio, Agile/SCRUM, Wireshark, Tricentis qTest

PROJECTS

Azure-Based Secure Cloud Infrastructure

Mar 2025

Cloud Architecture and Security

Azure Kubernetes Service, Azure API Management, NSG, Peering, Terraform

Designed and deployed a secure cloud infrastructure using Azure Kubernetes Service (AKS) and Terraform.

Implemented network security best practices including NSG, Peering, and role-based access control (RBAC) for compliance.

CI/CD Pipeline with Azure DevOps and Automated Security Testing

Jan 2025

DevOps and Security

Azure DevOps, PowerShell, Docker, Kubernetes, Terraform

Developed a robust CI/CD pipeline leveraging Azure DevOps, automating deployment processes for enterprise applications.

Integrated automated security scanning tools, reducing security vulnerabilities in deployments by 40%.

EXPERIENCE

Software Quality Assurance Intern

Aug 2022 – July 2023

Planon

Hyderabad, India

Developed and executed manual and automated test cases for cloud-hosted applications, ensuring functionality and reliability.

Implemented CI/CD pipelines using Jenkins and GitHub Actions to streamline deployments.

Collaborated with security and application teams to integrate security best practices in the testing framework.

Implemented PowerShell scripts to automate configuration management and improve cloud security policies.

EDUCATION

University of Central Missouri

Warrensburg, Missouri

M.S. in Cybersecurity and Information Assurance

Aug 2023 – Present

Jawaharlal Nehru Technological University

Hyderabad, India

B.Tech in Computer Science and Engineering

Aug 2019 – May 2023

CERTIFICATIONS

Cloud Computing Foundations - Google

API Testing and Postman Automation - Coursera