

# Sumanth Kumar Puvvada

## DOT NET Web Developer

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📍 Hyderabad

## SUMMARY

DevOps-focused Developer with 2+ years of experience in .NET development and a strong foundation in DevOps practices. Proficient in Git, Docker, Jenkins, Kubernetes, Ansible, Terraform, and Linux. Successfully implemented DevOps pipelines to automate build, test, and deployment processes to increase deployment productivity. Proven ability to collaborate effectively in Agile teams to improve team effectiveness. Leveraged AI tools in optimizing workflows and enhancing development efficiency by 30%. Seeking a DevOps Engineer role to drive operational excellence and innovation.

## EXPERIENCE

### DOT NET Web Developer

HCLTech

📅 08/2022 - Present 📍 Hyderabad

#### Web Application Development & Deployment

- Successfully Migrated 6 interconnected web applications from VOLVO to UD, ensuring seamless data exchange between upstream and downstream systems within the manufacturing assembly line, resulting in zero downtime and a 15% increase in data processing efficiency.
- Implemented new features using Visual Studio and deployed them across 10+ client locations, consistently meeting 100% of client requirements and speeding up deployment by 25%.
- Conducted code reviews and debugging sessions, identifying and resolving 50+ issues, which contributed to a 20% improvement in overall application performance.

#### DevOps Integration & Automation

- Automated the entire application lifecycle from code management to production using Azure DevOps pipelines (Boards, Build, Release) and strategic branching, cutting deployment time by 30% and decreasing code conflicts.
- Enhanced team collaboration, task tracking, and project visibility by implementing Agile practices with Azure Boards, improving project delivery timelines by 20%.

#### DevOps Skills Development (Independent Learning)

- Acquired comprehensive knowledge and hands-on experience with DevOps tools and methodologies through self-directed learning, completing over 100 hours of training.
- Developed and deployed 5+ personal projects using Git for version control, Docker for containerization, Jenkins for CI/CD, Kubernetes for orchestration, Ansible for configuration management, and Terraform for infrastructure as code on Linux OS, leveraging AWS services to enhance cloud proficiency and streamline project deployment.
- Demonstrated project ownership by pushing code to GitHub and showcasing work on LinkedIn, resulting in a 30% increase in professional network engagement and solidifying technical expertise.

## EDUCATION

### Bachelor of Technology in Electronics and Communication

Jawaharlal Nehru Technological University

📅 06/2018 - 06/2022 📍 Kakinada 8.7 CGPA

## ACHIEVEMENTS

- Awarded the ERS Champion Award at HCLTech for exceptional performance and contributions over a 2-year tenure, recognized for driving key initiatives and delivering high-impact results.
- Honored with the LiveWire of the Team Award for outstanding teamwork and active collaboration, consistently enhancing team dynamics and productivity.

## SKILLS

ASP.NET	ASP.NET MVC	AZURE DevOps Services	SQL	Git
Docker	Jenkins	Kubernetes	Terraform	Ansible

## LANGUAGES

## PROJECTS

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### UD TRUCKS

📅 09/2022 - Present 📍 Japan

Served as a consultant for UD TRUCKS, a Japanese company, developing applications for factory personnel in the manufacturing assembly line of trucks and cabs, resulting in a 25% increase in operational efficiency and a 15% reduction in production errors.

**Tools and Skills:** Visual Studio, MS SQL Server, ASP.NET, ASP.NET MVC, Microsoft AZURE DevOps Services, SQL.

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### Automated CI/CD Pipeline for Web Applications (Python, Django, Node.js, React) - [Link](#)

- Designed and implemented a CI/CD pipeline using Jenkins and GitHub webhook triggers, achieving seamless integration and delivery, accelerating deployment by 40% and increasing deployment frequency by 50%.
- Automated critical tasks including code checkout, dependency installation, test execution, code quality analysis with SonarQube, dependency scanning with OWASP, application builds, Docker container creation, image scanning with Trivy, and deployment to VMs or Kubernetes clusters using Argo CD (GitOps), resulting in a 35% enhancement in deployment performance and security.

**Tools and Skills:** CI/CD pipeline, Jenkins, GitHub webhook trigger, Docker, Kubernetes, Argo CD, SonarQube, Trivy CI/CD

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### Infrastructure Provisioning with Terraform (AWS) - [Link](#)

- Automated infrastructure provisioning by creating a complete infrastructure stack for a web application on AWS using Infrastructure as Code (IaC), bringing setup time to almost 0.
- Structured and organized infrastructure code using Terraform Modules, enhancing code reusability and maintainability.
- Provisioned critical resources including VPC, Subnets, IGW, Route Tables, Routes, Security Groups, Ingress and Egress rules, EC2 instances, Load Balancer, and Target Group, resulting in a 30% boost in deployment effectiveness and security compliance.

**Tools and Skills:** Terraform, Iac, AWS, Networking, Nginx

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### Configuration Management with Ansible Playbooks and Roles (Linux) - [Link](#)

- Explored configuration management using Ansible playbooks and roles, enhancing system automation capabilities.
- Automated system configuration tasks such as installing packages, web servers, user management, and enabling ingress and egress rules on Linux systems, reducing manual configuration time by 50%.
- Developed an Ansible role to deploy applications on Apache servers, streamlining deployment processes and improving deployment consistency by 40%.

**Tools and Skills:** Ansible, Configuration Management, Linux

