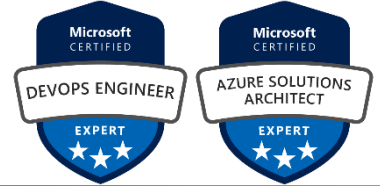# Balakrishna Teeda

Senior Devops Engineer

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SUMMARY

Seasoned DevOps engineer with 7+ years of experience in Banking, Insurance and Supply chain domain applications. Proficient in software development, armed with a computer science degree and Azure, AWS, Kubernetes certifications known for ensuring reliability, scalability, security, cost optimization, and enhancing overall system performance.

Key Accomplishments:

- **CI/CD Efficiency:** Led the implementation of robust CI/CD pipelines, reducing software release times by 40% and minimizing manual errors by 60%, resulting in a 30% reduction in deployment time.

- **Architect of Efficiency:** Orchestrated the seamless migration of on-premise infrastructure to the cloud, leveraging Kubernetes-based IaC with Terraform, reducing deployment times by 50% and lowering infrastructure costs by 20%.

- **Cost Optimization:** Optimized cloud infrastructure, achieving a 25% reduction in monthly expenses, equivalent to an annual savings of $180,000.

- **Guardian of Security:** Strengthened security protocols, leading to a remarkable 95% reduction in vulnerabilities and maintaining a perfect record of zero data breaches.

- **Uptime Excellence:** Maintained an impressive 99.99% system uptime, crucial for business continuity and seamless access to applications and services.

- **Innovative Solutions:** Spearheaded research and prototyped innovative solutions, providing senior management with system recommendations that consistently met with 100% satisfaction.

TECHNICAL SKILLS

- **Cloud Platforms:** Azure, AWS.
- **Programming Languages:** Python, Shell Script, PowerShell, Nodejs, Java.
- **CI/CD:** Azure DevOps, Gitlab, GitHub, Jenkins.
- **Infrastructure as Code:** Terraform, Azure Arm, AWS Cloud formation
- **Containerization & Orchestration:** Docker, Kubernetes.
- **Management & Collaboration Tools:** Azure Devops, Jira, ServiceNow
- **Monitoring & Analytics:** Prometheus, Grafana, Azure monitoring, AWS Cloud Watch
- **Web Servers:** Nginx, Apache Tomcat, Microsoft IIS.
- **Databases:** Mongo DB, SQL Server.
- **Operating Systems:** Linux, Windows, Mac.

PROFESSIONAL EXPERIENCE

Senior Kubernetes Engineer   Jul'22-Aug'23
Value Labs   Remote, IN

Environment: Azure, Terraform, Git, Azure Repos, Azure Boards, Azure Pipelines, Docker, Kubernetes, Ansible, PowerShell, Bash, Linux, Windows, IIS, and Confluence.

- **Performance Optimization:** Orchestrated container apps, achieving a 28% performance boost and 30% cost savings by migrating to AKS.

- **Kubernetes** : Configure and maintain private AKS clusters, Nginx ingress controllers using helm charts

- **Efficient Architecture:** Revamped architecture, optimizing naming conventions, and enhancing pipeline performance.

- **Security and Reliability:** Strengthened data security and implemented a robust failover system for enhanced system reliability.

- **Documentation:** Maintained comprehensive infrastructure documentation for knowledge sharing and process clarity.

Platform Engineer   April'22-'July22
Intellect EU   Remote, EU

Environment: Azure, Terraform, Git, Azure Repos, Azure Boards, Azure Pipelines, Docker, Kubernetes, Ansible, PowerShell, Bash, Linux, Windows, IIS, and Confluence.

- **Single Sign-on:** Configured key cloak for users to sign in to the application
- **Efficient Infrastructure:** Introduced and Kubernetes best practice such as Resource Limits and Requests limits.
- **Vulnerability Fix:** Review the security of container images and take action to fix issues all using docker scan tool
- Identified the cross-team differences, lead a positive collaboration and resolved issues.

Platform Engineer   Sept'20 – Apr'22
Autoscheduler.AI   Remote, US

Environment: Azure, Terraform, Git, Azure Repos, Azure Boards, Azure Pipelines, Docker, Kubernetes, PowerShell, Bash, Python, Linux, Windows, mbt, AKS, Application Gateway, Azure AD Key vault, ACR, ARM Templates, Vnet, Storage Accounts, SQL, Express Route.

- **CI/CD Leadership:** Implemented robust CI/CD pipelines, from scratch reducing release times by 40%, minimizing errors by 60%, and cutting deployment time by 30%.
- **Efficient Infrastructure:** Introduced Kubernetes-based IaC practices, reducing infrastructure deployment times by 50% and saving 20% in infrastructure costs.
- **Cost Optimization:** Optimized cloud infrastructure, lowering monthly expenses by 25% for an annual savings.
- **Containerization:** Containerized the all of the microservices using Docker
- **Security:** Implemented Site-to-Site VPN and Point-to-Site VPN for secure connection
- **Database Migration:** Migrated the On-prem database to Azure SQL Databases without losing the data
- **Automation:** Automated bash scripts written for build the docker images stored images on Azure Container Registry and deployed on Azure Kubernetes cluster.
- **Open Source**: Configured the mbt opensource build tool for monorepo.
- **Documentation**: Create and maintain wiki and markdown documentation

Cloud Engineer   Apr'20 – Sept'20
Adventum Technology   Remote, IN

Environment: Azure, Terraform, Git, Azure Repos, Azure Boards, ADO (Azure Pipelines), Docker, Kubernetes, Ansible, PowerShell, Bash, Linux.

- Lead design and implementation of AWS Cloud Solutions including infrastructure data and application services.
- Reviewed existing infrastructure and made recommendations for improvements.
- Containerized the applications using docker and deployed on AWS EC2 instances
- Written AWS CloudFormation templates in yaml format to provision the AWS services such as VPC, EC2, S3, Document DB and many more
- Enhanced web apps for stability, performance, security, and defect tracking.
- Source code reviewing, integration, and promoting team changes to the targeted environment.
- Supported project deadlines and contributed to technical documentation.

Devops Engineer   Jul'17 – Apr'20
Pogeyan Technologies PVT Ltd   Bangalore, IN

Environment: Azure, Terraform, Git, Azure Repos, Azure Boards, Azure Pipelines, Docker, Kubernetes, Ansible, PowerShell, Bash, Linux,Terraform.

- Managed cloud environments in accordance with company security guidelines.
- Created and maintained the AWS EKS cluster for production deployments
- Created a Dev-Cluster for the deployment environment on bare nodes via kubeadm for cost cutting.
- Managed user accounts with proper privileges using AWS IAM.
- Experience working with IAM in order to create new accounts, roles and groups
- Migrates Kubernetes to k-native workloads

- Perform daily back up using bash script with cron job
- Managed requirements gathering, documentation, and application development.
- Implemented build script for building and packaging the application using gulp tasks.
- Oversaw source control, prepared unit test cases, managed SIT and UAT deployments, and resolved user-logged issues.
- Led the production deployment and provided ongoing application support.
- Collaborated with cross-functional teams to ensure long-term compatibility.
- Import existing Azure infrastructure into Terraform and design and automate provisioning of new infrastructure solutions
- Experienced in Kubernetes service mesh.

EDUCATION

Bachelor of Technology in Computer Science and Engineering, Andhra University, India
Masters in Computers Science, Boston, United States of America

CERTIFICATIONS

- **CKA & CKAD:** Certified Kubernetes Administrator and Application Developer.
- **Azure Solutions Architect & DevOps Engineer Expert:** Microsoft Certified.
- **AWS Solutions Architect Associate:** Amazon Certified