

# Harshit Bisht

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## ABOUT ME

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DevOps Engineer with 3+ years of hands-on experience designing & operating Kubernetes, helmcharts, CI/CD and automated cloud infrastructure. Strong focus on reliability, security & developer experience with proven impact in reducing operational bottlenecks, enabling release strategies and owning scalable production systems.

## SKILLS

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**DevOps:** Azure DevOps, Bash, Docker, Helm, Istio, Git, Github Actions, Crossplane, Terraform, Kubernetes  
**Other Tools:** Jira, Confluence, Lens, Rancher, Datadog, Postman, Office 365, VS Code, Visual Studio  
**Soft Skills:** Problem Solving, Communication, Teamwork, Time Management, Adaptability  
**Languages:** English (C1), German (B1)

## WORK EXPERIENCE

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### Tangany GmbH

Munich, Germany

Sept 2025 – Present

- **DevOps Engineer**
  - Multiple parallel app versions: Configured Istio, CI/CD & helmcharts to enable deployment of multiple app versions, supporting complex release strategies (four versions in parallel instead of blue-green).
  - provisioned robust cloud infra: Ensured high availability & security by provisioning Azure infrastructure using Terraform modules like Azure APIM, Managed identify & security groups.
  - PR enhancement workflow: Introduced a github actions workflow to provide soft guidance to dev/reviewer via comments on PRs, based on the conventional commit types.
  - k8s lease: Implemented a Kubernetes Lease-based leader election mechanism to avoid multiple cronjob runs.
  - Helm Chart segregation: Improved CI/CD by separating helmcharts like: VS, DR, SA, roles; from app-specific charts, reducing re-rendering of non app-specific charts & noise in ACR.
  - Introduced e2e testing: Designed & implemented end-to-end testing automation the cd & release AzDO pipeline, writing jest based tests.

### PricewaterhouseCoopers (PwC AC)

Bangalore, India

Jun 2021 – Oct 2024

- **DevOps Engineer**
  - AKV secret management: Reduced manual update time from 2 days to 10 minutes by developing a secret rotation pipeline using Azure DevOps.
  - Multi-region infrastructure management: Provisioned & maintained Azure infrastructure for ChatPwC across EMEA & US using Terraform modules & Azure DevOps.
  - Resolved AgentPool Bottleneck: Decreased pipeline queue by 80% via implementation of a self-hosted Azure DevOps AgentPool with Docker Agents.

### Amazon

Noida, India

Sep 2020 – May 2021

- **SDS Associate**
  - Logistics Optimization: Supported logistics operations for Amazon Logistics across the US and Canada.
  - KT & Team lead: Served as a Subject Matter Expert and mentored 8 new associates on cloud-based logistics data management.
  - Quality improvement initiative: Reviewed 100+ weekly work items and provided targeted feedback, reducing errors by 20% & improving overall performance.

## EDUCATION

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Guru Gobind Singh Indraprastha University  
Bachelor of Technology (*Anabin recognised : H+*)

New Delhi, India  
Aug 2016 – Sep 2020

## PERSONAL PROJECTS

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### Azure-KeyVault-AutoSync

- **Skills:** Azure DevOps, Azure Key Vault, CI/CD
  - Designed an AzDO pipeline to automate secrets sync from Azure Library to Azure Key Vault.
  - Implemented object-based parameter storage, enabling retrieval of both secret names and values.

### Crossplane

- **Skills:** AWS, Kubernetes, Crossplane, Helm, GitHub Actions, OIDC
  - Provisioned and managed AWS infrastructure using Crossplane.
  - Deployed an EKS cluster with IAM-integrated Node Groups & secure OIDC-based Kubernetes access.
  - Enabled persistent storage & autoscaling via CSI driver and Cluster Autoscaler, using Helm.

### EKS-OIDC-ArgoCD

- **Skills:** GitHub Actions, AWS, Kubernetes, OIDC, Terraform, Go, ArgoCD
  - Automated AWS infra provisioning using modular Terraform and GitHub Actions, leveraging S3.
  - Built CI/CD with GitHub Actions, Kaniko & ArgoCD, eliminating AWS access keys via OIDC.
  - Deployed a self-hosted runner on EC2, optimizing pipeline execution for Kubernetes workloads.

### GKE-CloudBuild

- **Skills:** GCP, Terraform, Kubernetes, Cloud Build, Python
  - Deployed a Kubernetes cluster on GKE using Terraform, implementing taints, tolerations, and affinities.
  - Configured custom VPC & subnets for pods. Used Google Cloud Build for deployments to GKE.

## CERTIFICATES

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- HashiCorp Certified: Terraform Associate (003)
- Microsoft Certified: DevOps Engineer Expert (AZ-400)
- Microsoft Certified: Azure AI Engineer Associate (AI-102)
- Amazon Web Services: AWS Certified Cloud Practitioner
- Google Cloud platform: GCP Associate Cloud Engineer
- Goethe Institut: Goethe-Zertifikat B1
- Duolingo English Test: CEFR C1 (Advanced)

## RESEARCH PUBLICATIONS

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- Artificial Intelligence in the Insurance Sector - Journal of The Gujarat Research Society
- Blockchain for Loyalty Rewards Program Management - Journal of The Gujarat Research Society
- Rocker Rover And Its Implementation - Journal of Emerging Technologies
- Modeling of Rocker Rover for Its Implementation - IJRTE (SCOPUS INDEXED JOURNAL)

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Harshit Bisht