Harshit Bisht

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ABOUT ME

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

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

Tangany GmbH   **Munich, Germany**
- **DevOps Engineer**   **Sept 2025 − Present**
  – <u>Multiple parallel app versions</u>: Configured Istio, CI/CD & helmcharts to enable deployment of multiple app versions, supporting complex release strategies (four versions in parallel instead of blue-green).
  – <u>provisioned robust cloud infra</u>: Ensured high availability & security by provisioning Azure infrastructure using Terraform modules like Azure APIM, Managed identify & security groups.
  – <u>PR enhancement workflow</u>: Introduced a github actions workflow to provide soft guidance to dev/reviewer via comments on PRs, based on the conventional commit types.
  – <u>k8s lease</u>: Implemented a Kubernetes Lease-based leader election mechanism to avoid multiple cronjob runs.
  – <u>Helm Chart segregation</u>: 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.
  – <u>Introduced e2e testing</u>: Designed & implemented end-to-end testing automation the cd & release AzDO pipeline, writing jest based tests.

PricewaterhouseCoopers (PwC AC)   **Bangalore, India**
- **DevOps Engineer**   **Jun 2021 − Oct 2024**
  – <u>AKV secret management</u>: Reduced manual update time from 2 days to 10 minutes by developing a secret rotation pipeline using Azure DevOps.
  – <u>Multi-region infrastructure management</u>: Provisioned & maintained Azure infrastructure for ChatPwC across EMEA & US using Terraform modules & Azure DevOps.
  – <u>Resolved AgentPool Bottleneck</u>: Decreased pipeline queue by 80% via implementation of a self-hosted Azure DevOps AgentPool with Docker Agents.

Amazon   **Noida, India**
- **SDS Associate**   **Sep 2020 − May 2021**
  – <u>Logistics Optimization</u>: Supported logistics operations for Amazon Logistics across the US and Canada.
  – <u>KT & Team lead</u>: Served as a Subject Matter Expert and mentored 8 new associates on cloud-based logistics data management.
  – <u>Quality improvement initiative</u>: Reviewed 100+ weekly work items and provided targeted feedback, reducing errors by 20% & improving overall performance.

EDUCATION

Guru Gobind Singh Indraprastha University   New Delhi, India
Bachelor of Technology (*Anabin recorgnised : H+*)   **Aug 2016 – Sep 2020**

PERSONAL PROJECTS

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

- 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

- 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)

Date: 03.02.2025
Harshit Bisht