

Harshit Bisht

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ABOUT ME

Passionate DevOps Engineer with 3+ years of experience specializing in automation, cloud infrastructure & kubernetes. Proven track record of reducing CI/CD bottlenecks, secret management, optimizing K8s clusters & deployments, writing clear documentations, designing resilient CI/CD pipelines and reducing downtime.

SKILLS

DevOps: Azure DevOps, GCP Cloud Build, Bash, Docker, Helm, Git, Github Actions, Terraform, Kubernetes
Cloud: AWS EKS, EC2, S3, Google Kubernetes Engine, Azure Kubernetes Service, Azure AD, Azure DevOps
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

Alankit Assignments Ltd

Munich, Germany

Feb 2025 – Present

- **Processing Officer**
 - Consulate Liaison: Closely collaborating with the Indian Consulate, Munich to facilitate consular services.
 - IT Administration: Serving as the office IT admin for the Munich ICAC, ensuring smooth operations.
 - Data Management: Utilizing Crush FTP software to process application data for 40+ passports daily.

PricewaterhouseCoopers (PwC AC)

Bangalore, India

Jul 2022 - 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: Created and 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.
 - Deployment & Troubleshooting: Deployed and troubleshoot ChatPwC & plugins on AKS clusters while working with dev teams across US, Poland, Germany, Romania, China & Mexico.
 - Managed Kubernetes Clusters: Managed and upgraded Kubernetes clusters across EMEA and US without any downtime post validating the prerequisites.
 - Cloud cost optimization: Reduced cloud expenses by identifying, and cleaning up non-essential resources across multiple subscriptions.
 - Data pipeline automation: Created ETL pipelines on Azure Data Factory for United Parcel Service (UPS).
 - Monitoring: Utilised Datadog for observing and monitoring kubernetes clusters & their deployments.

Amazon

Noida, India

Sep 2020 - May 2021

- **SDS Associate**
 - Logistics Optimization: Assisted in managing logistics data for Amazon Logistics operations in North America (US & Canada) by leveraging AWS S3 and Athena.
 - Monitoring & Issue Resolution: Used Amazon CloudWatch to track data processing metrics for 500+ delivery stations, helping identify anomalies & improve last-mile delivery efficiency.
 - Knowledge Sharing & Team Support: Acted as a Subject Matter Expert (SME), mentoring 8 new associates on cloud-based logistics data management.

EDUCATION

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

New Delhi, India
Aug 2016 - Sep 2020

PERSONAL PROJECTS

Azure-KeyVault-AutoSync

- **Skills:** Azure DevOps, Azure Key Vault, CI/CD
- Designed an Azure DevOps pipeline to automate synchronization of secrets from Azure Library to Azure Key Vault using Azure CLI.
- Implemented object-based parameter storage, enabling retrieval of both secret names and values for secure injection into Key Vault via the Az CLI command.

EKS-OIDC-ArgoCD

- **Skills:** GitHub Actions, AWS, Kubernetes, OIDC, Terraform, Go, ArgoCD
- Automated AWS infrastructure provisioning using modular Terraform and GitHub Actions, leveraging S3 for remote state management.
- Built a secure CI/CD pipeline with GitHub Actions, Kaniko, and ArgoCD, eliminating AWS access keys via OIDC authentication.
- 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 Google Kubernetes Engine (GKE) using Terraform, implementing taints, tolerations, and affinities for optimized workload scheduling.
- Configured custom VPC and subnets with dedicated IP ranges for pods and services, ensuring network isolation. Used Google Cloud Build for deployments to GKE.

EKS-IaC-Actions

- **Skills:** GitHub Actions, Terraform, Kubernetes, AWS
- Deployed a Netflix clone on AWS EKS using Terraform to define and manage infrastructure as code.
- Designed CI/CD pipelines with GitHub Actions to automate application builds and deployments.

Git-Access-Auditor

- **Skills:** Bash, Git
- Developed a Bash script to audit GitHub repository access permissions.
- Automated retrieval of user roles and permissions via the GitHub API, improving security.

CERTIFICATES

- HashiCorp Certified: Terraform Associate (003)
- Microsoft Certified: DevOps Engineer Expert (AZ-400)
- Microsoft Certified: Azure Administrator Associate (AZ-104)
- Microsoft Certified: Azure AI Engineer Associate (AI-102)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- 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)

Date: 02.03.2025
Harshit Bisht