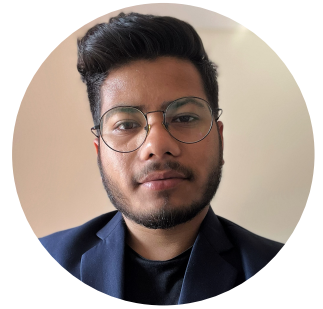# Harshit Bisht

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ABOUT ME

Skilled DevOps Engineer with 3+ years of experience specializing in automating & optimizing cloud infrastructure and deployments. Possesses B1 level German proficiency and strong hands-on experience in Azure, AWS, Github Actions, Azure DevOps, Docker, Kubernetes and Terraform, with a passion for developing solutions to streamline the Software Development Lifecycle.

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

PricewaterhouseCoopers (PwC AC)   Bangalore, India
- **Associate 2 - DevOps Engineer**   Jul 2022 - Oct 2024
  - AKV secret management: Reduced manual update time from 2 days to 10 minutes by developing a secret rotation pipeline using Azure DevOps, significantly enhancing security and operational efficiency.
  - Resolved AgentPool Bottleneck: Decreased pipeline queue by 80% via implementation of a self-hosted Azure DevOps AgentPool with Docker Agents, enabling the team to run multiple pipelines across projects.
  - Deployment & Troubleshooting: Worked with dev and L3 teams from Germany, US, Poland, Romania, China & Mexico, assisting them with deployments on AKS using Helm, rollbacks & troubleshooting issues.
  - Accelerated SDLC: Improved development cycle speed by 50% via PR Build Verification Pipeline utilizing a two-agent setup (Listener & Builder), automating code builds & tests for every PR created.
  - Managed Kubernetes Clusters: Managed and upgraded Kubernetes clusters across EMEA and US without any downtime post validating the prerequisites: Pod Disruption Budgets, Ingress version etc.
  - Multi-region infrastructure management: Created and maintained Azure infrastructure for ChatPwC project across EMEA and US using Terraform modules and ADO YAML pipelines.

- **Associate - Cloud Engineer**   Jun 2021 - Jul 2022
  - Cloud cost optimization: Reduced cloud expenses by conducting thorough analysis, identifying, and cleaning up non-essential resources across multiple Azure subscriptions.
  - CI/CD platform migration: Successfully migrated 33 Jenkins pipelines to Azure DevOps for PwC Trust division, meeting strict deadlines and supporting the transition to a more robust and centralized platform.
  - Data pipeline automation: Streamlined data manipulation for United Parcel Service (UPS) by designing and implementing ETL pipelines on Azure Data Factory.

Amazon   Noida, India
- **SDS Associate**   Sep 2020 - May 2021
  - Data management: Streamlined information flow for Amazon Logistics across North America, managing data for 500+ delivery stations and impacting 80+ daily deliveries, ensuring efficient operations.
  - Team leadership and mentoring: Guided and mentored 8 new associates as a Subject Matter Expert (SME), taking responsibility for their processes and deliverables.
  - Quality improvement initiative: Enhanced deliverables' quality by reviewing 100+ work items weekly and providing targeted feedback, resulting in a 20% reduction in errors and improved overall performance.

EDUCATION

Guru Gobind Singh Indraprastha University   New Delhi, India
Bachelor of Technology   Aug 2016 - Sep 2020

PERSONAL PROJECTS

go-web-app
Skills: GitHub Actions, AWS, Kubernetes, OIDC, Terraform, Go, ArgoCD
Deployed a go web app using Github Actions for CI on EKS cluster instated in us-east-1 via terraform automation utilising ArgoCD for the CD and OIDC for AWS authentication.

gcp-devops
Skills: GCP, Terraform, Kubernetes, Cloud Build, Python
Deployed a flask application to a GKE cluster created with Terraform, utilizing GCP's Cloud Build for CI/CD automation.

Netflix-AWS
Skills: GitHub Actions, Terraform, Kubernetes, AWS
Deployed a Netflix clone to an Amazon Elastic Kubernetes Service (EKS) cluster using GitHub Actions for CI/CD and Terraform as Infrastructure as Code (IaC).

akv-automation
Skills: Azure DevOps, Azure Key Vault, CI/CD
Developed an Azure DevOps pipeline to automate the movement of secrets from the Azure library to Azure Key Vault for the respective environments.

git-access
Skills: Bash, Git
Created a Bash script to automate checking access permissions to GitHub repositories.

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
- PwC: Data-Driven Decision Making, Digital Acumen Knowledge Badge
- 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: 02.02.2025
Harshit Bisht