Bhavesh Kansagara

DevOps Engineer | System Administrator

Synopsis

- **14+ Years of Experience**: Extensive experience in IT management and DevOps engineering.
- **Cloud Expertise**: Skilled in AWS, Azure, and Google Cloud, with a focus on cloud infrastructure management and cost optimization.
- **DevOps & Automation**: Proficient in CI/CD tools like Jenkins and GitHub, and automation tools like Ansible and Terraform.
- **Security & Compliance**: Strong focus on system security, compliance, and implementing best practices to ensure data integrity and protection.
- **Leadership & Collaboration**: Proven ability to lead cross-functional teams and deliver comprehensive IT solutions that meet organizational goals.
- **Continuous Learning**: Committed to staying ahead of emerging technologies and applying innovative solutions to drive business success.
- **Certifications**: AWS Cloud Practitioner, Microsoft Azure Fundamentals, and other relevant certifications that validate expertise in cloud and IT management.

Certifications

- **Microsoft® Azure Fundamentals** – Aug 2024
- **Amazon Web Services Cloud Practitioner** (Foundational) - Nov 2023
- **Microsoft® Certified Professional** (Certification number: 664C17-E4C30B) – April 2012
- **Microsoft® Certified Technology Specialist: Windows Server 2008 Network Infrastructure, Configuration** (Certification number: 64FCB7-6DWE84) – July 2010
- **Jetking: Hardware, Networking, and Linux RedHat** - May 2006

About Me

I am a dedicated DevOps Engineer and IT Manager with over 14 years of experience in cloud infrastructure and automation. My passion for technology drives me to continually innovate and implement cutting-edge solutions that enhance efficiency, security, and alignment with business goals. I thrive in dynamic environments where I can apply my skills in cloud technologies and DevOps practices to solve complex challenges. I believe in continuous learning and collaboration, and I am committed to delivering value-driven results that make a real impact.

Technology

Cloud Providers: Amazon Web Services, Microsoft Azure, Google Cloud

DevOps Tools/Platform:

Version Control (Build)	GIT (Lab / Hub), Bit-Bucket, Jfrog, VSTF (Azure DevOps), npm, AWS CodeBuild, SVN, S3, Code-Cloud
CI/CD	Jenkins, Azure DevOps, AWS CodePipeline, Ansible, Micro-Service, WebHook (Integration and creation)
Project Management	Jira, ServiceNow, Agile First
Monitoring Tools	Prometheus, Grafana, CloudWatch, NewRelic
Infrastructure as Code	Terraform, AWS CloudFormation

Scripting Language: YAML, Python, Shell/BASH (PowerShell)

Operating System: Windows Server (2008 R2,2012 R2, 2016, 2022), Linux,

Database: MSSQL, Redis Cache, DynamoDB,

Professional Experience

Jan 2024 - Present, DevOps Consultant, Freelance / Personal Projects

- **Project Management:** Led the implementation of CI/CD pipelines for multiple small to mid-sized companies, optimizing deployment processes and reducing release times by up to 40%.
- **Automation & Infrastructure:** Developed and deployed infrastructure-as-code solutions using Terraform and Ansible, ensuring consistent, scalable, and reliable environments across AWS and Azure platforms.
- **Tooling & Process Improvement:** Enhanced existing DevOps tools and practices by integrating advanced monitoring solutions, such as Prometheus and Grafana, resulting in a 25% improvement in system reliability and uptime.
- **Collaboration:** Worked closely with cross-functional teams, including developers, testers, and operations, to deliver seamless integration of DevOps practices within their workflows.
- **Training & Mentorship:** Provided guidance and training to junior engineers on best practices in DevOps and cloud technologies, fostering a culture of continuous improvement and knowledge sharing.
- **Cloud Management:** Oversaw cloud infrastructure management, ensuring cost optimization and security compliance for clients in diverse industries.

1. CI/CD Pipeline Implementation

- **Project:** Implemented a Continuous Integration/Continuous Deployment (CI/CD) pipeline using Jenkins, Git, and Docker.
- **Details:** Automated the build, testing, and deployment processes, reducing deployment time by 50%. Integrated with Kubernetes for seamless container orchestration.
- **Skills:** Jenkins, Git, Docker, Kubernetes, CI/CD, Scripting (Bash/Python).

2. Infrastructure as Code (IaC)

- **Project:** Deployed and managed cloud infrastructure using Terraform and AWS.
- **Details:** Automated the provisioning of EC2 instances, VPCs, and RDS databases. Achieved consistent environment setups across multiple regions, reducing infrastructure provisioning time by 70%.
- **Skills:** Terraform, AWS, CloudFormation, Infrastructure as Code (IaC).

3. Cloud Migration

- **Project:** Migrated on-premises applications to the cloud (AWS/Acronics).
- **Details:** Planned and executed the migration of a multi-tier application to AWS, ensuring minimal downtime and data integrity. Utilized AWS services such as EC2, S3, RDS, and Lambda.
- **Skills:** AWS, Cloud Migration, EC2, S3, RDS, Lambda.

4. Monitoring and Logging Solutions

- **Project:** Set up monitoring and logging for a microservices architecture using Prometheus and Grafana.
- **Details:** Deployed Prometheus for real-time metrics collection and Grafana for visualization. Implemented alerting mechanisms, reducing system downtime by 40%.
- **Skills:** Prometheus, Grafana, ELK Stack, Monitoring, Logging.

5. Containerization and Orchestration

- **Project:** Containerized a monolithic application and deployed it using Docker and Kubernetes.
- **Details:** Refactored a legacy application into microservices, containerized using Docker, and deployed on a Kubernetes cluster. Improved scalability and reduced deployment time.
- **Skills:** Docker, Kubernetes, Microservices, Containerization.

6. Automation of Deployment Processes

- **Project:** Automated deployment processes for multiple environments using Ansible.
- **Details:** Developed Ansible playbooks to automate the configuration and deployment of applications across development, staging, and production environments. Reduced manual errors and deployment time by 60%.
- **Skills:** Ansible, Automation, Configuration Management, CI/CD.

7. Security and Compliance Automation

- **Project:** Implemented security and compliance checks in the CI/CD pipeline.
- **Details:** Integrated tools like SonarQube, Snyk, and OWASP ZAP to automate security scans during the build process. Ensured compliance with industry standards and reduced vulnerabilities by 30%.
- **Skills:** SonarQube, Snyk, OWASP ZAP, Security, Compliance.

8. High Availability and Disaster Recovery

- **Project:** Designed and implemented a high-availability and disaster recovery solution.
- **Details:** Configured load balancing and auto-scaling for a critical application using AWS ELB and Auto Scaling Groups. Set up a disaster recovery plan with data replication across multiple regions.
- **Skills:** AWS ELB, Auto Scaling, Disaster Recovery, High Availability.

9. Network Infrastructure Automation

- **Project:** Automated network configuration using Ansible and Terraform.
- **Details:** Developed scripts to automate the configuration of network devices and services across multiple environments, ensuring consistency and reducing manual intervention.
- **Skills:** Ansible, Terraform, Networking, Automation.

10. Cost Optimization and Resource Management

- **Project:** Optimized cloud resource usage and reduced costs by 30%.
- **Details:** Implemented cloud cost monitoring tools and automated scaling strategies. Conducted regular audits and decommissioned unused resources.
- **Skills:** AWS Cost Management, Cloud Optimization, Resource Management, Automation.

Manager – IT / Cloud | Hi-CON Technocast Pvt Ltd | June 22 - Nov 23 [Full Time]

- Worked as a Manage service cloud engineer, on AWS.
- Manage the cloud production environment.
- Maintain the client's essential IT Infrastructure and AWS services.
- Direct client interaction for managing there on cloud infra.
- Spearheaded the troubleshooting and installation of hardware, software, and network infrastructure to ensure smooth operations.
- Introduced and managed Cloud Backup using Acronis, NAS Backup, and SAN, improving data security and business continuity.
- Oversaw the management of Windows Server 2008, 2012, 2016, and 2022, enhancing server efficiency and uptime.
- Implemented IT compliance procedures, fostering a secure and compliant IT environment.

In-charge - EDP | Parin Furniture Limited | Aug 2020 - June 2022 [Full Time]

- Managed Windows servers and network infrastructure, ensuring optimal network performance.
- Administered Firewall and Antivirus Console, strengthening network security.
- Handled Network Printers and CCTV-NVR and DVR, maintaining operational continuity.
- Managed EPABX-IP Phone, improving communication within the organization.

Sr. Executive IT | Landmark Automobiles Pvt. Ltd. | Sep 2010 – Aug 2020 [Full Time]

- Provided L2 Desktop Support and Remote Support to corporate end-users, reducing downtime and improving productivity.
- Ensured regular maintenance and upgrades of IT infrastructures as per the requirements, increasing efficiency.
- Worked closely with other IT team members to identify, resolve, and prevent technical issues.
- Trained staff on the use of new software and hardware, improving their technical proficiency.

Desktop Support Engineer | Dev Information | Jan 2008 - Aug 2010 [Full Time]

- Desktop L2 Support and Remote Support to Corporate end-users.

Hardware & Network Engineer | Growel Infotech | June 2006 - Jan 2008 [Full Time]

- Network Troubleshooting, Hardware Solutions, and Printer Solutions.

Education

IGNOU – *Masters of Computer Applications, 2012*

IGNOU - *PGDCA, 2012*
Major: Information Technology
Saurashtra University
Bachelor of Commerce, 2008.