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EXPERIENCE

Sr. Site Reliability Engineer

Feb 2025 – Present

Ping Identity

Bengaluru, India

- 🔧 **Optimized end-to-end VDI deployments with Terraform and Jenkins:** Refactored and enhanced Terraform templates and Jenkins pipelines to provision AWS WorkSpaces environments, reducing workspace spin-up time by 40% and minimizing configuration drift.
- 🔧 **Revamped and automated the new-hire onboarding deck:** Retired the outdated slide deck, rebuilt it with streamlined content, and integrated one-click installation scripts—cutting technical setup time for new employees by 60%.
- 🔧 **Led Singapore infra build-out and migration support:** Coordinated cross-functional teams to provision infrastructure, validate network configurations, and execute cutover activities—achieving zero critical incidents during the migration window.
- 🔧 **On Call Support:** Provided on-call support for production related issues maintaining zero downtime. Highlighted errors in documentations and their fix for seamless troubleshooting and upgrades.

Sr. DevOps and Security Engineer

Oct 2023 – Dec 2024

MindMaze

Bengaluru, India

- 🔧 **Implemented end-to-end infrastructure for critical healthcare applications:** Successfully orchestrated the transition of core healthcare applications from on-premise to Azure, ensuring seamless integration and availability.
- 🔧 **Enhanced deployment efficiency with Azure DevOps CI/CD automation:** Implemented robust CI/CD automation through Azure DevOps, resulting in a remarkable 90% reduction in deployment timelines, thereby accelerating the release cycle.
- 🔧 **Built infrastructure from scratch and spearheaded containerization efforts:** Led the creation of a robust infrastructure, starting from scratch, and collaborated with engineering teams to efficiently decouple applications, implementing container-based solutions for improved scalability and resource utilization.
- 🔧 **Developed and deployed highly effective scripts:** Early detection and proactive mitigation of vulnerabilities within Azure, Bitbucket, etc., resulting in a 60% reduction in potential security incidents.
- 🔧 **Managed Kubernetes Clusters security and scalability:** Automated the monitoring of cluster security to centralized logging, improving incident response time by 25% and increasing cluster uptime by 15%.

DevSecOps Engineer

Jun 2022 – Oct 2023

Disney+ Hotstar

Gurugram, India

- 🔧 **Automated user authentication for web-based applications with Identity and Access Management (IAM) policies:** Ensured compliance with enforced rules and policies via regular security audits, resulting in improved security operations by 50%.
- 🔧 **Improved security operations:** Reduced the risk of data breaches by 70% and decreased remediation time by 80% using automated vulnerability scanning and security patching.
- 🔧 **Engineered a sophisticated AWS CloudTrail and GuardDuty integration:** With centralized logging, enhanced cross-account monitoring capabilities, and reduced Mean Time to Detect (MTTD) and Mean Time to Remediate (MTTR) from hours to seconds.
- 🔧 **Developed and deployed highly effective scripts:** Early detection and proactive mitigation of vulnerabilities within AWS, Vault, etc., resulting in a 40% reduction in potential security incidents.
- 🔧 **Managed Kubernetes Clusters security and scalability:** Automated the monitoring of cluster security to centralized logging, improving incident response time by 25% and increasing cluster uptime by 15%.

DevSecOps Engineer

Nov 2020 - Jun 2022

Motherson Group (MTSL)

Noida, India

- 🔧 **Managed Kubernetes Clusters security and scalability:** Automated the monitoring of cluster security to centralized logging, reducing incident response time by 30% and increasing cluster uptime by 20%.
- 🔧 **Engineered serverless architecture:** Leveraged AWS services and third-party tools to achieve a 40% reduction in operational costs and a 20% increase in application scalability.
- 🔧 **Automated on-premises DB migration to AWS RDS:** Reduced downtime during migration by 40%, minimizing the impact on business operations.
- 🔧 **Implemented CloudFormation and Terraform for rapid workflow automation:** Reduced deployment times by 30% and decreased manual errors by 25%.
- 🔧 **Simplified auditing through automated tagging:** Enhanced resource management, reducing audit preparation time by 50% and ensuring compliance with AWS best practices.
- 🔧 **Established AWS Control Tower for streamlined administration:** Enhanced governance and compliance, resulting in a 15% reduction in security vulnerabilities and a 20% reduction in manual administrative tasks.

TECHNICAL SKILLS

Cloud Services	AWS, Azure
IaC Automation	Terraform, CloudFormation, Terragrunt, CDK, Python
CI/CD Stack	AWS CodePipeline, CodeBuild, CodeDeploy, GitHub Actions, Harness, Argo CD, Azure DevOps, Gitlab
Containerization	Kubernetes, EKS, ECS, Docker, AKS
Databases	AWS RDS, MYSQL, DynamoDB
Networking	TCP, UDP, VPC, CloudTrail, Route 53, etc.
Monitoring	PagerDuty, Zabbix, New Relic, Wiz, CloudWatch, CloudTrail, Inspector, GuardDuty, Security Hub, Snyk, Semgrep, etc.
Operating Systems	Windows, MacOS, Linux (Ubuntu/CentOS)
Ticketing Tools	Jira
SCM/Registry	GitHub, CodeCommit, GIT, Bitbucket

CERTIFICATIONS

Certified Kubernetes Administrator	Oct 2023
Certified Kubernetes Application Developer	Jul 2025
AWS DevOps Professional	May 2025
AWS Security Specialty	Jan 2022
HashiCorp Certified: Terraform Associate 003	Dec 2024

PROJECTS/OPEN-SOURCE

Work Project (Ping Identity)

- Retired the outdated slide deck, rebuilt it with streamlined content, and integrated one-click installation scripts—cutting technical setup time for new employees by 60%.
- Refactored and enhanced Terraform templates and Jenkins pipelines to provision AWS WorkSpaces environments, reducing workspace spin-up time by 40% and minimizing configuration drift.
- Provided on-call support for production related issues maintaining zero downtime. Highlighted errors in documentations and their fix for seamless troubleshooting and upgrades.
- Streamlined application updates and performance monitoring, achieving a significant improvement in deployment frequency and operational efficiency.
- Tools: GitLab, Python, New Relic, EKS, Kubernetes, Docker, Terraform, Jenkins, etc.

Work Project (Shaw Industries)

- Established an end-to-end CI/CD pipeline and infrastructure setup using GitHub Actions and Azure Kubernetes Service (AKS) to enable seamless, automated deployments across environments.
- Managed Angular front-end and Spring Framework back-end, ensuring consistent and reliable deployments from development to production with integrated linting and testing for quality assurance.
- Implemented security practices, including role-based access control (RBAC) and encryption, to enhance data protection and compliance.
- Streamlined application updates and performance monitoring, achieving a significant improvement in deployment frequency and operational efficiency.
- Tools: GitHub Actions, AKS, Kubernetes, Docker, Angular, Spring Framework, Azure DevOps, etc.

Work Project (Don Bosco)

- Reduced infrastructure costs and improved scalability by migrating monolithic architecture to a serverless design using AWS Lambda and API Gateway, enhancing the application's capacity to handle concurrent video uploads.
- Optimized cloud resources through right-sizing and auto-scaling, leading to a 25% reduction in operational expenses and a 35% increase in stability under load.
- Led the implementation of AWS-native monitoring and logging solutions (CloudWatch, CloudTrail) to improve visibility and ensure reliability in real-time.
- Conducted training sessions for the team on AWS best practices, focusing on serverless architecture, cost optimization, and security.
- Tools: AWS Lambda, API Gateway, CloudWatch, CloudTrail, S3, DynamoDB, IAM, etc.

Work Project (MindMaze)

- Orchestrated a seamless transition of healthcare applications to Azure, reducing deployment timelines by 90% through Azure DevOps CI/CD automation.
- Established infrastructure from scratch, decoupling applications and implementing container-based solutions for scalability using Terraform and Ansible.
- Implemented robust monitoring (Prometheus, Grafana) and conducted security audits, resulting in a 30% reduction in incident response time and a 40% improvement in security posture.
- Facilitated API integrations, executed disaster recovery plans, and optimized costs by 20% through resource right-sizing and auto-scaling strategies.
- Upskilled internal teams on DevOps best practices, fostering a knowledgeable and collaborative environment.
- Developed a Terraform-based PagerDuty module, streamlining setup and integration for incident response automation.
- Tools:** AWS, Azure, Terraform, Ansible, Kubernetes, Docker, GitHub, Prometheus, Grafana, PagerDuty, etc.

Work Project (Disney+ Hotstar)

- Managing and automating AWS architecture based on Container based architecture
- Implemented security best practices and over 85 security controls across all internal and external systems, strengthened the defenses against integrated threats and reduced the risk of data breaches by 65% .
- Enhanced alerts and notifications, improving incident response time by 60%.
- Improved user authentication speed and efficiency for web-based applications by 70% with the implementation of IAM policies.
- Tools:** AWS, Terraform, Security Monitoring, GitHub, Kubernetes, Docker, Semgrep, Harness, ArgoCD, Coralogix, etc.

Managed Client Work Project (Health Services & Hospital)

- Managing and automating AWS architecture based on Containerized Applications.
- Performed EKS Cluster upgrades for self-managed nodes from 1.16 to 1.21
- Automated Slack notifications with custom message on parameter Create, Update, Delete
- Troubleshooting errors and setup CI/CD pipelines with cost optimization and Security Hardening
- Tools:** Git, Terraform, CI/CD, EKS, Elastic Beanstalk, CloudWatch, S3, Route53, CloudFront, GuardDuty, Inspector, WAF(v2), Security Hub, KMS, EC2, Cognito, DataDog, etc.

EdTech Company (OTC Work Project) (Setup CI/CD pipeline for private servers)

- A customized CI/CD pipeline templated into Terraform scripts which enable developers:
 - Push latest changes to multiple servers hosted in private subnets
 - Auto sync latest files to server with cost effectiveness
 - Auto Backup and rollback
- Benefits:**
 - Deploy latest changes preventing large data migration and related cost
 - Secure deployment with Automated Approval and Custom Trigger
 - Reduced cost up to 70% compared to old deployment
- Tools:** AWS S3 Buckets, CodePipeline, AWS CodeBuild, CodeDeploy, Terraform, CloudWatch, SNS

Landing Zone Solution (Managed Work Project) (Automated Multi-Account Setup with pre-defined budget)

- A customized solution templated into CloudFormation scripts which enables developers:
 - On-board multiple users on AWS with pre-defined budget and permissions
 - The solution is a complete serverless approach
 - Each individual user is tracked and both user and moderator are notified when user exhausts the limit and account is suspended to prevent further billing
- Benefits:**
 - The sum cost of deployment of the multiple accounts is negligible
 - Centralized Controlled Architecture
 - Ease to Replicate in multiple organizations with reduced manual efforts up to 90%
- Tools:** AWS Organizations, Lambda, S3, Budgets, CloudFormation, SNS, etc.

EDUCATION

M.Tech [Work Integrated Learning Program]

Jan 2025 – June 2027

Cloud Computing

Bachelors of Engineering

Jun 2016 – Apr 2020

Electronics and Communication Engineering

Senior Higher Secondary

Mar 2015 – Apr 2016

Higher Secondary

Mar 2013 – Apr 2014