# Rishabh Lakhotia

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## Experience

**Aspora (Previously Vance)**                                                          **Bengaluru, India**
*DevSecOps Team Lead*                                                                      Apr 2024–Present

- Led the transition to 100% Infrastructure as Code using Terraform and Atlantis, streamlining infrastructure changes through GitHub workflows with mandatory code owner approvals.
- Migrated from managed AWS services to CNCF tools, reducing vendor lock-in and enhancing platform flexibility.
- Led the PCI DSS compliance effort, aligning infrastructure and security practices with audit requirements.
- Implemented SLA/SLO standards with error budgeting, achieving a 99.99% SLA for all B2B services.
- Designed and deployed a multi-geo, multi-environment infrastructure with consistent configurations via Terraform, enabling seamless scalability and disaster recovery.
- Enforced zero-trust principles by eliminating AWS Access Keys and centralizing authentication through Google accounts for all tools, including AWS and VPN.
- Deployed self-hosted GitHub runners tailored to the environment, enabling dynamic scaling based on job queues and time of day, optimizing CI/CD efficiency.
- Built a robust monitoring and alerting system using Prometheus, Grafana, and custom dashboards, enabling proactive issue detection and alerting.

**Phaidra**                                                                                      **Remote**
*Site Reliability Engineer*                                                               Aug 2022–Feb 2024

- Engineered a modern development environment, reducing maintenance time and enhancing monitoring for improved efficiency.
- Set up DMARC for phaidra.ai, identifying and resolving over 30% of non-compliant emails sent daily without impacting delivery.
- Revamped and implemented a more secure GPG usage organization-wide, ensuring 100% user compliance through comprehensive documentation and training.
- Transitioned from deprecated Container Registry to Artifact Registry without downtime, ensuring a seamless developer experience.
- Created generic Kapitan components and collaborated with the Security team to establish SIEM system infrastructure, decreasing their reliance on the infrastructure team.
- Designed diverse machine images tailored to teams and workloads, significantly reducing deployment time to under 1 minute.

**Bright Money**                                                                                 **Remote**
*DevOps Engineer*                                                                         Oct 2021-Aug 2022

- Enhanced email authentication by implementing SPF, DKIM, and DMARC, resulting in a 100% reduction in spoof email attacks.
- Streamlined AWS IAM by consolidating policies across multiple services, enhancing system efficiency and operational effectiveness.
- Led a successful infrastructure cost optimization initiative, achieving a 35% cost reduction in two months.
- Deployed a self-hosted, end-to-end zero-trust password and credential-sharing tool, ensuring compliance across the organization.
- Enhanced PCI DSS compliance score by 31% through the implementation of AWS-recommended strategies and improvements.
- Designed and implemented various utility tools, allowing users to automate routine tasks and achieve substantial daily time savings.

**Droice Labs**                                                                                  **Remote**
*DevOps Engineer*                                                                         Aug 2020–Oct 2021

- Implemented Cloudflare for Teams to secure all applications across diverse cloud providers under a unified IAP tunnel, ensuring comprehensive protection.
- Built an app that retrieves Google Sheets data, displaying it on a static site for stakeholders in under 2 seconds.
- Worked on multiple security issues and vulnerabilities to increase security score from 72 to 100 on securityscorecard.com.

- Deployed 2FA on AWS Workspaces using RADIUS, LinOTP, and Google Authenticator.
- Developed initial setup scripts for Amazon Workspaces and development machines to reduce setup time to $< 5$ minutes.
- Automate large-scale text extraction with 1000+ containers.

## Education

**Dayananda Sagar College of Engineering**                                    **Bengaluru, IN**
*Computer Science & Engineering* 8.9/10 CGPA                                    Jul 2016–Jul 2020

## Skills

**Cloud Platforms**: AWS, Google Cloud
**Infrastructure as Code:** Terraform, Atlantis, Kapitan
**Containerization  Orchestration:** Docker, Kubernetes, EKS, GKE, HarborIO
**CI/CD:** GitHub Actions, GitLab Runners, Buddy Works
**Monitoring  Logging:** Grafana, Prometheus, Loki
**Security  Compliance:** Zero Trust Architecture, IAM, PCI DSS, SOC 2
**Cryptography** GPG, PKI, S/MIME
**Scripting Languages:** Shell, Python

## Volunteering

**Licensee & Organizer, TEDxDSCE**                                    Sep 2016–Jul 2020
**Founding Member, PointBlank**                                    Oct 2019–Present
**Sys Admin, ACM DSCE Student Chapter**                                    Jan 2019–Jan 2020