Rishabh Lakhotia

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Experience

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

– Lead infrastructure and security teams to achieve operational excellence and resilience, driving DevSecOps best practices across the organization.
– Achieved **100% Infrastructure as Code (IaC)** adoption using Terraform and Atlantis, ensuring all infrastructure changes are managed via GitHub workflows with mandatory code owner approvals, eliminating manual interventions.
– Migrated from **managed AWS services to CNCF tools**, reducing vendor lock-in and enhancing platform flexibility. Developed an abstraction layer over AWS resources, ensuring seamless application operations during resource transitions.
– Implemented SLA/SLO standards with error budgeting, delivering a **guaranteed 99.99% SLA** for all B2B services, ensuring high partner satisfaction and reliability.
– Designed and deployed a **multi-geo, multi-environment infrastructure** with consistent configurations across all locations via Terraform, enabling seamless scalability and disaster recovery. Established dedicated AWS accounts for specialized use cases, enhancing security and limiting blast radius.
– **Secured credential management through a platform-agnostic approach**. Production credentials require peer approval, and access is facilitated only through SAML or OIDC authentication.
– **Enforced zero-trust principles for infrastructure changes** by eliminating AWS Access Keys and centralizing authentication via Google accounts for all tools, including AWS and VPN.
– Deployed **self-hosted GitHub runners** tailored to Vance's 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 which helped in **identifying more than 30% of non-compliant emails** sent daily, and fixed them without impacting delivery.
– Revamped and implemented a more secure GPG usage organization-wide, ensuring **100% user compliance, including system accounts**, through comprehensive documentation and training.
– Effortlessly transitioned from deprecated Container Registry to Artifact Registry **without any downtime**, ensuring a seamless experience for users without disruption.
– 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 for our in-house development machines, 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 for simplified management by **consolidating policies across tens of services**, enhancing system efficiency and operational effectiveness.
– Led a successful infrastructure cost optimization initiative, collaborating with multiple teams, and providing weekly progress reports. Achieved a remarkable **35% cost reduction in two months**.
– Deployed a self-hosted, end-to-end zero-trust password and credential-sharing tool single-handedly **ensuring compliance across the organization**.
– **Secured over 200 buckets** by configuring them as private and designed the implemented changes to exclusively fetch resources from this extensive set of secure buckets.

- **Enhanced PCI DSS compliance score by 31%** through the implementation of AWS-recommended strategies and execution of suggested 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 Architecture: AWS, Google Cloud, Networking, Cloud Security
Containers: Docker, Kubernetes, EKS, GKE, HarborIO
Cryptography GPG, PKI, S/MIME
Scripting: Shell, Python
CI/CD: Buddy Works, GitHub Actions, GitLab Runners

Volunteering

Licensee & Organizer, TEDxDSCE Sep 2016–Jul 2020

Founding Member, PointBlank Oct 2019–Present

Sys Admin, ACM DSCE Student Chapter Jan 2019–Jan 2020