Rodrigo Delgadillo Perez

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in rodrigo-delgadillo

Professional Summary

Easy to work with and meticulous Cloud Engineer, I am eager to contribute to a forward-thinking organization where my proficiency in cloud architecture, infrastructure as code, and automation can help build scalable, reliable, and sustainably managed cloud solutions. With a steadfast commitment to continuous professional growth, I thrive on challenges that stimulate my technical skills and foster innovation.

Skills

Languages	Python, Bash, Java, Golang, Rust
Tools	Docker, Kubernetes, Istio, Terraform, GitlabCI, GitHub Actions
Cloud	AWS, Google Cloud Platform
Methods	Agile, Scrum, DevOps

Professional Experience

Coinflip

Senior DevOps Engineer   *January 2023 – Present*

- Led the design and automation of a disaster recovery strategy in AWS spanning multiple regions, employing Terraform and Gitlab CI for services including EKS, RDS, MSK, Elasticache, API Gateway, and Route53, decreasing the failover time from hours to just under 50 minutes
- Rolled out a GitOps approach for managing microservices running on EKS leveraging Helm charts and ArgoCD. This method streamlined our deployment workflow significantly
- Spearheaded an initiative to enhance our system's observability, leading the development of a POC that demonstrated how to properly structure and format service logs. I emphasized consistency and compatibility with Loki due to our reliance on Grafana
- Laid the groundwork for an effective incident management system, overseeing the entire process from alert creation through incident resolution. This was a game changer as it helped the entire company improve our ability to quickly identify, assess and address incidents
- Took the lead in establishing a Private CA hierarchy in AWS, catering to various needs of the company from TLS certs to site-to-site VPNs and even SCEP (a protocol used to issue digital certificates to devices over a network)
- Played a key role in the migration of an on-premises service to AWS, enhancing the performance and reliability of a system supporting over 5000 ATMs across North America

Monetago Inc.

Senior Cloud Engineer   *June 2022 – January 2023*

- Designed and implemented a multi-region cloud architecture for two major projects, leveraging a powerful mix of tooling, including GCP, MongoDB, Confluent, ArgoCD, and Cloudflare, ensuring high availability, DR readiness, and resilience
- Revolutionized our VPC infrastructure by re-architecting the model to segregate shared subnets, enhancing security controls and isolating production environments from lower environments
- Reduced vulnerabilities in containerized applications by adopting and enforcing security best practices and enforcing the use of code scanning tools such as Sonarqube
- Enhanced global security by implementing a robust Load Balancing solution across multiple regions, coupled with the integration of Cloudflare API Shield for advanced endpoint protection and intelligent rate limiting

Beyond Identity Inc.

Site Reliability Engineer   *January 2020 – June 2022*

- ○ Handled the migration of all infrastructure as code from Cloudformation to Terraform, leveraging GitlabCI to stand up entire production environments from scratch in minutes
- ○ Built CloudHSM Pipeline for code and binary signing using GitlabCI and Terraform to reduce cost and improve a process that was originally done manually
- ○ Strengthened the security and service-to-service communication within our Kubernetes cluster by integrating Istio and envoy filters for rate limiting and IP Geo Location restrictions, later offloaded this to Cloudflare
- ○ Assisted in the migration from Digital Ocean to AWS, scripting a tool to migrate entire droplet objects into S3, Jfrog Artifactory, and local storage, ensuring data integrity throughout the migration
- ○ Contributed to the development of custom tools written in Golang for automating routine tasks that included environment health checks, deployment scripts, secrets management, saving a significant amount of time for developer on-boarding

Cabela's Inc. - BassPro Inc.

DevOps Engineer   *July 2018 – January 2020*

- ○ Engineered several backend services to consolidate four different systems into two separate applications, breaking down monolitic applications into microservices. This endeavor was not just about technical integration but also a strategic move to dismantle existing silos between two merging companies. In the end, a unified technical environment opened the doors to more collaboration and reduced the team cohesion challenges that often comes with some mergers.
- ○ Assisted in the set up and maintenance of VMware's PKS (Pivotal Container Service) for Kubernetes, facilitating an on-premises deployment. This initiative was instrumental in establishing a scalable and resilient container orchestration platform that facilitated the modernization of the company's infrastructure, significantly advancing it towards aligning with 21st-century standards and technologies
- ○ Worked on the development of microservices for an application dedicated to conducting background checks, I architected a solid SOAP-based solution that interfaced with the FBI's National Instant Criminal Background Check System (NICS). This critical infrastructure was designed to handle thousands of requests per minute, thereby providing reliable and efficient background check services to hundreds of retail outlets throughout the United States

Hobbies

Tinkering	Can it be automated? Yes, Should it be? ~~NO~~ Yes
Photography	Portrait, Wildlife, Landscape
Architecture	Gothic, Spanish Colonial
Gardening	Herbs, Fruit Trees
Tools	(Too many) Raspberry Pis, (not enough) Arduinos, All the Sensors, Shields and Hats, Canon EOs 6d, DSD Music Player, Personal Cloud, Grafana