Tyler Kluszczynski

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Technical Lead - Aledade Inc.

April 2022 - Present.

- Created a beta deployment of our highest-traffic application. Used nginx-ingress with Ansible and Bamboo, allowing developers to selectively route beta users in production via a cookie, through a canary ingress.

Senior DevOps Engineer - Aledade Inc.

May 2021 - April 2022.

- Automated our manual database refresh process to a push-button job on Rundeck, allowing developer teams to refresh their own database clones, removing 1-2 hours of DevOps work per refresh.
- Transitioned our database code from Terraform to Terragrunt, utilizing charts to eliminate duplication. 100,000 line reduction in total code for database management across 40+ database environments.
- Developed a Python script to automatically sync and map Active Directory users and roles to Postgres roles, another script to check 1000+ AWS SecretsManager secrets for duplication, and one to remove user accounts from 3rd party vendors (using their APIs) when employees leave the company.

DevOps Engineer - Aledade Inc.

July 2020 - April 2021.

- Designed and implemented a blue-green deployment strategy for our highest-traffic production application using Ansible with automatic rollback. Reduced deployment downtime from 30 seconds to 0.
- Wrote a Python function for AWS Lambda to automatically tag snapshots to match their EBS volumes. 6,500 initial snapshots changed, with 250+ additional being tagged each day.
  - Untagged snapshots were responsible for 90% of our untracked spend in AWS prior to the script.
  - Script failures are automatically reported to PagerDuty using an Amazon Cloudwatch integration.

DevOps Engineer - PSI Services LLC.

June 2019 - July 2020.

- Created various Terraform modules to deploy resources including EC2 instances, ASGs, Load Balancers, Security Groups, EFS, Route 53 records, S3 buckets and ECR repositories.
- Built CI-CD pipelines for both new and existing applications, using Jenkins shared libraries, Buildmaster, Artifactory and AWS ECR.
- Configured a monitoring and alerting solution for over 200 servers and internal sites.

University Projects.

August 2018 - May 2019.

- Built AWS RDS databases with Terraform and connected them to ECS in multiple Availability Zones.
- For more examples, see my GitHub + GitLab.

Personal Projects.

tylerdevops.com; "tkluz" on GitHub and GitLab.

- Created a Terraform EKS deployment with node autoscaling, RBAC generation, multiple namespaces and users, Kubernetes load balancer definition support, and automatic Private Hosted Zone configuration.
- Additional projects on GitHub, with more information on my website.

EDUCATION

California State University, Northridge. B.S. in Computer Information Technology with Honors.

- GPA: 3.72 | Upper Division GPA: 3.94 | Dean's List: Fall 2015 - Fall 2018.