Tyler Kluszczynski

Santa Clarita, CA | tylerkluszczynski@gmail.com | (661) 414-6531

Senior DevOps Engineer - Aledade Inc. May 2021 - Present.
- Leading a project to host Sonarqube in AWS EKS. This includes creating RDS Postgres databases, configuring Bamboo and Bitbucket plugins to run static code analysis on pull requests automatically, communicating with stakeholders, acquiring licenses, and cross-functional communication with finance and security.
- Introduced and implemented Terragrunt across all of our infrastructure.
  - This includes 40+ database environments. Used Terragrunt to manage postgres role synchronization including modernizing our automation solution for our databases (100,000 line reduction in total code for database management).
  - Created and dockerized Python CLI applications to automatically synchronize Active Directory user groups with terragrunt configuration for roles in AWS RDS.
- Designed and developed a Python script that interacts with multiple vendors and third party APIs to remove user accounts when they leave the company. Replaced the previous manual process which took 1 hour per iteration.

DevOps Engineer - Aledade Inc. July 2020 - April 2021.
- Designed and implemented a blue-green deployment strategy for our highest-traffic production application with automatic rollback, reducing deployment downtime from 30 seconds to effectively zero.
- 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.
  - This project was completed during my first week at the company.

DevOps Engineer - PSI Services LLC. June 2019 - July 2020.
- Migrated numerous on-premise applications and databases to AWS.
  - Migrated Jira instances from on-premise servers to AWS EC2 using Packer and Terraform. Moved on-premise databases to RDS Postgres instances.
  - Created various Terraform modules to deploy key 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 websites. Created company-wide best practices for future monitoring and alerting.

University Projects. August 2018 - May 2019.
- Built AWS RDS databases with Terraform and connected them to ECS in multiple AZs.

Personal Projects. tylerdevops.com; "tkluz" on GitHub and GitLab.
- Created an open-source Terraform EKS deployment with node autoscaling, RBAC generation, multiple namespaces and users, Kubernetes load balancer definition support (ingress + service) and automatic Route 53 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.