Tyler Kluszczynski

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Senior DevOps Engineer - Aledade Inc. May 2021 - Present.
- Leading a project to host Sonarqube in AWS EKS, including RDS Postgres databases with Bamboo and Bitbucket plugins to run static code analysis analysis on pull requests automatically.

DevOps Engineer - Aledade Inc. July 2020 - April 2021.
- Designed and implemented a zero-downtime deployment strategy for our highest-traffic production application, eliminating 30 seconds of downtime per deployment.
  - Used an Ansible playbook to bring up a parallel deployment, then deployed using a blue-green strategy with automatic roll-back, functionally eliminating downtime.
- 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.
- Worked with another engineer to refactor an internal CLI tool written in Python, used for AWS RDS Postgres database management, including writing unit and functional tests with pytest.
- Hosted multiple knowledge-sharing sessions with other team members including onboarding for a new employee.

DevOps Engineer - PSI Services LLC. June 2019 - July 2020.
- Migrated numerous on-premise applications and databases to AWS across multiple environments.
  - 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.
- Developed a serverless (AWS Lambda) Python function with an ASG termination hook to automatically delete terminated instances from a managed SSH provider, utilizing their REST API and AWS Secrets Manager.
- 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.
- Automated Docker image build and deployment to AWS ECR using GitLab CI.
- 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.
- Developed my website using HTML and CSS. Deployed with GitLab pages.
- 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.