

Ryan Tenerowicz

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One Word: 99.995%

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DataSec SRE - SRE-SWE, July 2020 - Current

- Server Platform Adminserver
 - Designed and wrote a Go (golang) server for turning up “Marines” services in new data centers.
 - Created a simple and idempotent solution for handling the edge cases with Google's turnup infrastructure.
 - Solved a common problem that many Marines teams faced.
 - Held consults with interested teams to see if it fits their use case.
 - Worked with teams to prioritize adding features / reviewing their contributions to unblock them from using the server.
 - 7 teams have decided to use my server for their turnups, avoiding duplicated work and resulting in impact across multiple orgs.
- TI (Tech Infra) Turnup Champion for Datasec SRE
 - Responsible for ensuring that my team will meet requirements from the Turnup org.
 - Ex. turnup speed, expectations around priority, training on turnup procedures.
 - Responsible for being SME for resolving my team's broken turnups.
- Blackbox Monitoring (Probers)
 - Designed and wrote a C++ server for monitoring a binary province verification service.
 - Server is responsible for calling out to a package management service to get the data to construct the “test case” that will be run in the probe.
 - Added caching, then cache invalidation (after a bug was found).
- Rollouts
 - Designed a way to split up and rollout our prober configs to comply with Google's rollout policy.
 - Did a live migration to the new rollout method with 0 downtime.
- Monitoring & Alerting
 - Designed and implemented monitoring plan for “Tonic Evolution”: a collection of multiple new services and migrations for replacing an outdated permission delegation system.
 - Made a reusable alert template for all of the services.
 - Setup custom alert routing rules for dev / sre and pages.
- Part of Tier-1 oncall rotation with 5 minute response time.
 - Led team's response to 2 OMGs (large user affecting outages).
 - Wrote 2 postmortems, contributed to 2 more.

Internships



DataSec SRE- SRE Intern, Winter 2019 | Sunnyvale, CA



Kindle FinTech Services - SDE Intern, Summer 2019 | Seattle, WA



NAVSEA - SWE Intern, Summer 2018 | Dahlgren, VA

Education

Virginia Tech - B.S. Computer Science, 2020 - GPA 3.45/4