Ryan Tenerowicz

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Experience

Google

GDC: Node Platform
Software Engineer

Jan 2023 - Nov 2025

- Worked on GDC air-gapped - Node Platform, responsible for Node turnup and lifecycle in air-gapped Google cloud environments
- Tech lead for team of 5 - implemented turnup automation for hardware + software NTP, SLI/SLO probing, NTP Encryption
  - Managed planning & prioritization of features, made decisions on tradeoffs to meet program deadlines
  - Created designs covering SyncServer networking & settings setup, k8s reconciler design, internal helm frameworks
  - Wrote SLI/SLO for NTP and led TVC to implement custom blackbox prober
  - Created testing plan to validate changes on physical environment
- Resolve P0 release blockers, high priority customer issues, program escalations
  - Covers areas: physical/virtual networking, iLO/redfish, iPXE boot, OS configuration, NTP, DHCP, k8s reconciler bugs, (firm/soft)ware upgrades
- Root cause & fix issues relating to environment stability, unblocking our releases and reducing test flakes
  - Improved NTP stability from breaking environments after ~3d to lasting 30d+
  - Stabilized iLO secure erase failure rate from ~10% to almost 0
- Part of tier 2 oncall rotation - 30m response time - debug issues in air-gapped customer environments without direct access

Google

Datasec SRE

July 2020 - Jan 2023

- Turnup Champion - worked on faster datacenter turnups, unblocking $xB revenue
  - Point of contact to resolve turnup issues for my team's 4 core security services
- Designed & implemented Go adminserver to manage the turnup process of Google's production frameworks
  - Created the standard solution for teams across Google - Currently **45+** instances used across Infra, Networking, Cloud, Ads, YouTube
- Configured monitoring & alerting, resource footprints, and phased rollouts
- Part of tier 1 oncall rotation - 5m response time

Education

Virginia Tech - BS C.S. 2020, Overall GPA: 3.4, In Major GPA: 3.7

Projects

- ryantenerowicz.dev/keyboard
  - Designed custom ergonomic keyboards with reverse engineered trackpoints.
  - PCB design, CAD, 3d printing, soldering, wrote firmware with QMK and ZMK.