Garrick ‘Rick’ Rune

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Senior technical leader and individual contributor with 20+ years of experience in automating and resolving complex system issues across fleets of tens of thousands of servers in AWS, Azure, and GCP. Experienced in establishing best practices, creating detailed documentation, and mentoring peers to raise team-wide standards. Recognized for driving reliability and efficiency at scale, with the clear long-term goal of achieving Fellow-level contribution within the next decade.

Technologies & Expertise: Automation, Puppet, Python, Amazon AWS (EC2, S3, SSM, IAM), GCP, Azure, VMware (ESXi, vSphere), Active Directory, Nagios, Apache, bash

Working Knowledge: Ansible, Microsoft Azure, NetApp, Postgres, MSSQL, MySQL, git, DNS, LAN and WAN networks, NMAP, OpenSSL, IIS, PowerShell,Terraform, Golang, Jira, Confluence, gitlab, ScaleFT, Okta, Ruby, HAProxy, SPL.

Operating Systems: Linux: Ubuntu, RHEL, Debian, Windows Server

Experience:

Site Reliability Engineer, Grade 8
Splunk, a Cisco Company (acquired) Sept. 2024 – Present

Engineering Key Achievements

- Managed environments spanning 85,000+ servers across AWS (including GovCloud, FedRAMP High/IL5), Azure, and GCP.
- Led Puppet 7 => Puppet 8 upgrade, coordinating testing, validation, and rollout across multi-cloud infrastructure.
- Directed Ruby migration (2.7 => 3.2) on a primary codebase shared by 2,000+ engineers, ensuring compatibility and performance while developing parallel gitlab pipeline support.

Software Engineering/ API Development

- Designed and delivered a distributed execution API powering Splunk automation workflows across 83,000+ nodes, reducing licensing costs by $8M every three years.
- Scoped architecture, secured organizational buy-in, and led design and implementation.
- Built components in Go, Docker, and Terraform; conducted peer code reviews and architectural reviews with senior engineers.
- Acted as technical lead, managing peer deliverables and coordinating deployment of the service across the fleet.

Infrastructure Modernization

- Authored and led Ubuntu 22.04 certification process (design, documentation, testing) and successfully deployed across AWS, GCP, and Azure fleets.
- Diagnosed and resolved a 5-year-old core bug impacting ~2% of a 60,000-node fleet by developing a custom Python/Go fix leveraging two APIs; deployed the remediation solution across AWS, Azure, and GCP.

Operational Excellence & Documentation

- Produced flow diagrams of multi-cloud monitoring systems (AWS, GCP, Azure, AWS GovCloud, FedRAMP High).
- Wrote advanced runbooks for managing/testing AMI rollouts across multiple cloud providers, improving reliability of deployment pipelines.
- Championed technical debt reduction, establishing weekly ticket triage and backlog grooming processes.

Leadership & Mentorship

- Served as Lead SRE, coordinating day-to-day operations for a 6-person team.
- Ran merge request reviews, validation, and standardization, ensuring consistent coding practices across the group.
- Facilitated backlog refinement: story sizing, estimation, and sprint planning.
- Mentored engineers on system design, coding practices, and presentation skills, supporting both technical growth and career development.

Site Reliability Engineer, P3
Splunk Feb. 2022 – Present

- Environment: 60,000+ servers across AWS, (FedGov IL2, FedRAMP IL5, FedRamp High), and GCP.
- Saved over $560,000 per year in right-sizing development AWS environment.
- Designed Puppet profiling code best practices, documentation, and training for TPOT team.
- Developed core concept, documentation, and code outline for Fleet Foundations 'Userdata' project.
- Created and implemented automated SAML integration and backups to multiple environments.
- Coded an inventory generator that saves SREs 10hr/month in manual tasks.
- Lead engineer for creating internal execution layer API for Splunk.
- Worked with vendor to actively define, report, and resolve novel production issues.
- Headed tuning project for Puppet Cluster, reducing memory usage by 30%, increasing throughput and reliability. Reduced cost by requiring fewer instances at scale.
- Developed Splunk dashboards to monitor and validate infrastructure deployments, improving visibility and reliability across environments.

Office Support Systems Analyst I
County of Ventura **IT Services Dept** – Ventura, CA July 2016 – Feb. 2022

- Environment: 450+ servers, 95% Windows Server 2012-2019 5%, Linux RHEL 6/7/8
- Develop and maintain in house custom dashboard to monitor and trend infrastructure usage:
  - Dashboard technologies used: Python, PowerShell, PyGal (graphing), csv, json.
  - Hardware status with trending and forecasting capacity time until usage hits 80%
  - Monitor and broadcast Windows Workstation OS status per agency for upgrade project.
- Automation (Python, PowerShell, bash, batch)
  - Developed and implemented syncing internal HR DB with Active Directory for 9000+ users on a bi-weekly basis with daily ad-hoc updates as required.
  - Active Directory object scanning with data ETL for files and distribution lists.
  - Post-incident vSphere health scanning for VM and network adapter status.
- Azure administration
  - Deployed Azure VMs and load balancers for internal and external resources.
  - Identified and implemented cost savings of >50% monthly Azure bill.
- VMware ESXi 6.7 – Manage and maintain 400+ VMs, deploying and updating templates for

Office Support Systems Analyst I
County of Ventura **Fire Dept** – Ventura, CA Sept. 2013 – July 2016

- Environment: 700+ users, 400+ workstations, 90+ servers, 35+ offices, 100% Windows.
- Migrate Server Environment from 2003 & 2008 to 2012 R2.
- Upgrade VMware infrastructure to account for changing requirements.
- Create PowerShell scripts to automate deployment of workstation configurations.

- Consolidate multiple virtual and physical servers into one VMWare datacenter cluster.
- Monitor CVE releases and provide infrastructure relevant documentation and remediation.

Cloud Systems Administrator @ TekLead – Westlake Village CA Jan. 2012 – Sept 2013

- Consultant / Systems Administrator, J.D. Power and Associates account.
- Environment: 100+ virtual servers globally on Amazon AWS, 90% Windows 10% Linux.
- Deploy Nagios to monitor server activity, load, performance, and disk usage.
- Manage and maintain multi-region Amazon EC2 AMIs, and IIS + MSSQL servers.
- Setup and manage Ylastic backup utility for maintaining up to date snapshots of volumes.
- Create and deploy SQL backup plan to have aggregated and granular access to databases.
- Create utilities in Python to batch update AWS firewalls and Cloudfront content refreshes.

I.T. Manager @ NovaStor Corp – Agoura Hills CA Nov. 2010 – Dec. 2011

- Environment: 30+ users, 40+ workstations, 30+ servers, 2 offices, 95% Windows 5% Linux
- Successfully migrate 4 Microsoft Exchange servers and 60 users across multiple countries to Microsoft Hosted Exchange.
- Deploy two Linux mail relay VMs to decommission old Exchange servers.
- Implement Nagios monitoring system for servers, appliances, and switches.
- Develop in-house tools using Python, Bash, and Batch to automate repetitive tasks.

MIS Manager @ Elixir Technologies Corp – Ventura CA Jun. 2009 – Feb. 2010

- Environment: 50+ users, 60+ workstations, 15+ servers, co-location, 95% Windows.
- Acquire and implement an IBM pSeries server running AIX v5.3L.
- Acquire and implement VMWare ESXi 4.0 cluster.
- Convert 30+ Virtual Machines to a dedicated VMware ESXi 4.0 platform to increase end-user interaction and productivity.
- Successfully create and implement an infrastructure plan to reduce rack space by over 50% and create redundancy between core systems.
- Implement Request Tracker ticket system to streamline user requests, improving response time from days to minutes, and inquiry traceability.

Systems Engineer @ Master Key Films – Valencia, CA Aug. 2008 – May 2009

- Environment: 25+ users, 35+ workstations, 65+ render servers, 5 servers, 90% Mac OS X.
- Reduce expenses by over $100,000 during the course of 8 months by writing automated scripts that saved artists 2 hours per day, per artist.
- Create server room: design layout, direct hardware transportation and installation, oversee power installation, and manage all aspects of networking, equipment placement, and environmental control.
- Configure, install, implement, and, maintain: VPN, DNS, DHCP, Exchange 2003, SAN, License, Web, FTP server, as virtual guests and physical hosts.
- Maintain and add physical upgrades to a Cisco Catalyst 6500 including adding two 48-port Gigabit trays complimenting a complete Gigabit infrastructure.
- Manage partition, data placement, data migration, daily and weekly backups using a NetApp FAS980 holding up to 14TB of data.

Education:

- **SkillPath Linux Training Course**, Linux Administration - Pasadena, CA August, 2006
- **Microsoft Certified Professional** – Ventura, CA December, 2007