

Senior Systems Engineer

Job Summary

Spur is seeking an experienced and versatile Sr. Systems Engineer to lead the design, deployment, and operations of our globally distributed infrastructure. The ideal candidate will be responsible for managing the load-balanced, anycast-based architecture behind our CAPTCHA platform, as well as overseeing the global ping measurement infrastructure that supports our IP geolocation products. You'll be instrumental in acquiring and operating servers in hard-to-reach locations, maintaining uptime SLAs, and deploying performance-critical code in Go and Python.

Key Responsibilities

- Design, manage, and monitor a highly available global anycast network for routing CAPTCHA and IP geolocation traffic
- Operate and optimize our CAPTCHA service infrastructure across multiple regions and ISPs
- Lead the deployment and lifecycle management of measurement infrastructure supporting IP geolocation
- Acquire, vet, and manage edge locations (bare metal or VPS) in underrepresented regions to improve geolocation accuracy
- Implement and maintain automation for provisioning, monitoring, and health checking distributed systems
- Contribute to backend and infrastructure codebases written primarily in Go and Python
- Handle infrastructure observability and uptime monitoring, proactively addressing system faults and scaling issues
- Drive capacity planning, traffic engineering, and performance tuning across global points of presence
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Key Qualifications

- Ability to independently translate product requirements into operational excellence across a complex infrastructure.
- Strong networking fundamentals
- Systems-level engineering skills
- Self-directed, resourceful, and capable of owning systems end-to-end—from design to deployment to maintenance.
- Proficiency with global infrastructure, networking, and distributed systems
- Ability to collaborate with software engineering teams.

To apply for this position, please submit your resume to careers@spur.us.