

Sreeram K R

Cloud & Infrastructure Automation Engineer

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PROFESSIONAL SUMMARY

Infrastructure & Automation Engineer combining on-premises network routing (L2/L3, Active Directory, VLANs) with cloud-native DevOps architectures. Experienced in building automated deployment pipelines, orchestrating cloud workloads, and bridging the gap between physical networking and secure, zero-trust cloud environments.

TECHNICAL SKILLS

- Infrastructure & SRE:** GCP (Compute Engine, VPC, GCS, Cloud Run), Terraform (IaC), Docker, Docker Compose, GitHub Actions (CI/CD), GCP IAP.
- Networking & Edge:** DNSSEC, HSTS, Cloudflare Zero Trust Tunnels, WAF, VLAN/Trunking, TCP/IP, Subnetting, Wireshark, Tailscale.
- Automation & Scripting:** Python (Netmiko, Pandas, NetworkX), PowerShell, Bash Scripting, GitHub CLI, Linux System Administration.
- Enterprise Tools:** ServiceNow API, Nginx Reverse Proxy, GitOps Workflows, Active Directory.

TECHNICAL PROJECTS

Zero-Trust Cloud Infrastructure & GitOps Pipeline

sreeramkr.com

- Orchestrated declarative, state-locked provisioning of private VPC networks, firewalls, and Compute instances using Terraform.
- Engineered a secure, keyless CI/CD pipeline via GitHub Actions using Workload Identity Federation (WIF) and OIDC.
- Implemented secure push-based SSH deployments over GCP Identity-Aware Proxy (IAP) to run containerized stacks.
- Isolated services inside a private Docker Compose network routed via Cloudflare Tunnels, exposing zero host ports.

PROFESSIONAL EXPERIENCE

Systems & Infrastructure Engineer

Mar 2026 – Present

Iron Systems (Client: Honeywell)

Pune, India

- Engineered zero-prompt PowerShell automation scripts to streamline configuration deployments, replacing a legacy 3,000-line manual workflow and accelerating the automated provisioning pipeline.
- Managed enterprise infrastructure operations, executing automated system configurations, network access control, and platform reliability engineering for high-priority deployments.

Network & Automation Engineer (Contract)

Jan 2025 – Feb 2026

Iron Systems (Client: Honeywell)

Bangalore, India

- Automated configuration management and vulnerability patching across 1,000+ distributed systems, achieving 98% compliance.
- Developed a Python automation suite (Netmiko) that reduced switch survey timelines by 50%, reclaiming 500+ unused IPs.
- Slashed ServiceNow privileged account provisioning time by 95% (5 minutes to under 20 seconds) by automating remote protocols.
- Managed DNS Forwarders within Active Directory and facilitated L3-to-L2 network migrations across 70 subnets.

Backend Developer Intern

Feb 2023 – Sep 2023

Suyati Technologies Ltd

Kochi, India

- Developed flight delay prediction logic using Python/Django and containerized MySQL database environments using Docker.

CERTIFICATIONS & LANGUAGES

- AWS Certified Solutions Architect – Associate (SAA-C03):** Pending (Exam scheduled for September 5, 2026).
- GATE Qualified (2023):** Passed the Graduate Aptitude Test in Engineering in the Electronics & Communication stream.
- Languages:** English (Fluent), Malayalam (Native), Tamil (Native), Hindi (Conversational).

EDUCATION

Bachelor of Technology, Electronics & Communication

2020 – 2024

Adi Shankara Institute of Engineering & Technology

Kochi, India

- Relevant Coursework:** Computer Communication & Networks, Operating Systems, Fiber Optic Communication.