Engineer

Networking & VPN

13 achievements

Connect the parts of your system

The work collected under “Networking & VPN” shows one part of a working system. We can help connect that part to the rest of your operation. Day-to-day care of servers, mail, accounts and updates, so the things everybody relies on stay boring.

Explore our services Get in touch →

Find a comparable challenge

Follow an example that resembles your situation. Its review describes the decisions behind the result, beyond the technology label. Ran 10 PostgreSQL and MS SQL servers on Ubuntu — 10 database servers deployed and kept healthy

Ran 10 PostgreSQL and MS SQL servers on Ubuntu Get in touch →

Designed and ran 6 ETL/ELT pipelines

Designed, implemented, and administered 6 ETL/ELT pipelines, utilizing Google BigQuery, MSSQL, PostgreSQL, Shell scripting, PL/pgSQL, and Transact-SQL, integrating data for efficient Python API processing.

Managed 30 Ubuntu Linux VPS instances

Managed 30 Ubuntu Linux VPS instances, implementing disaster recovery strategies and ensuring optimal network configurations.

Managed 8 WireGuard and IPsec VPN connections

Managed and troubleshot 8 WireGuard VPN and IPsec VPN connections, ensuring secure communication across Google Cloud and Linux systems.

Administered network infrastructure

Administered network infrastructure for over 1,000 servers, ensuring optimal system deployment, security, and troubleshooting.

Configured and deployed 1,000 Wi-Fi routers

Configured and deployed 1,000 Wi-Fi routers, improving network accessibility and performance for clients.

Administered 100 Bare Bone servers

Administered 100 Bare Bone servers, physical networks, and IP telephony systems, ensuring robust infrastructure for company growth.

Provisioned Azure infrastructure as code

Provisioned Azure infrastructure as code with Bicep — Container Apps, PostgreSQL Flexible Server, Front Door/WAF and networking — across the development, staging and production environments.

Ran 24/7 support for ~1,000 IPTV/OTT servers

Provided round-the-clock 24/7 infrastructure support for an IPTV/OTT streaming platform, administering ~1,000 servers plus client-owned systems for global customers in China, the US and Germany.

Kept IPTV streaming signals running non-stop

Ensured uninterrupted delivery of IPTV streaming signals between suppliers and clients, monitoring and maintaining the streaming network and IP telephony around the clock.

Built fail-closed rate limiting and anti-abuse

Built fail-closed abuse controls — 22 Redis-backed rate limiters, Cloudflare Turnstile, request idempotency and an origin lock — so the platform sheds bots and floods instead of trusting its callers.

Three locks on the door, none of them locked

Found and closed three SSH brute-force protections that had never worked: a ban jail watching port 22 while the daemon listened on 1986, a rate limit shadowed by a broader rule above it, and a ban action whose binary never resolved, so no ban had ever applied.

Verified firewall rules by position

Verified firewall rules by position rather than presence, reading the numbered rule list and the live packet-filter chain, because a rule that exists is not a rule any packet reaches.

Reconciled a 20-record DNS zone as code

Reconciled a 20-record DNS zone declaratively against the Cloudflare API with separate audit and BIND-export entry points, and turned the CDN proxy back off on privacy grounds after building it.

Focus the engineering effort

Bring the deployment path, the operational risks and the people on call. We can scope a change with checks, a recovery route and clear ownership.

See what it costs Get in touch →

Put the subject in your context

Tell us how “Networking & VPN” appears in your own system. We can help choose the relevant service and define the work around it.

Explore our services

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