Engineer

Monitoring & Observability

13 achievements

Connect the parts of your system

The work collected under “Monitoring & Observability” shows one part of a working system. We can help connect that part to the rest of your operation. Monitoring and alerts that speak up while a fault is still small, and the figures that show how often it stays that way.

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. Built the company's first observability dashboard — the company's first view of its own systems

Built the company's first observability dashboard Get in touch →

Built the company's first observability dashboard

Developed and launched the company's first observability dashboard, providing real-time system performance insights and data visualization on the large office TV.

Ran 10 PostgreSQL and MS SQL servers on Ubuntu

Designed, deployed, and maintained 10 PostgreSQL and MS SQL servers on Ubuntu Linux VPS, ensuring optimal server performance and reliability.

Automated delivery of 20 GIS data pipelines

Automated delivery of 20 GIS data pipelines and app data ETL processes, streamlining infrastructure automation and reporting.

Cut operational risk with Grafana and Prometheus

Mitigated operational risks by implementing a monitoring dashboard using Grafana and Prometheus, improving system reliability.

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 first-party error monitoring and tracing

Built first-party error monitoring and OpenTelemetry tracing rather than buying them — payload sanitising, spike and regression detection, symbolication and a synthetic heartbeat — behind 11 operator views.

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.

Built dead-man's-switch host monitoring

Built dead-man's-switch monitoring that pings only while memory and disk are healthy, so a degraded host raises an alert by going silent — and caught six variable names saying "free" where the check correctly measured "available", an order of magnitude apart on a 464 MB box.

Built 7 read-only host reporting roles

Built seven read-only reporting roles that render a live host to Markdown — facts, access, git, metrics, traffic, security and provider inventory — under a rule that no number is printed the run did not measure.

A bounded event pipeline for a macOS app

Bounded event buffers and logging after a recorded macOS incident with 41 MB per second growth and 111 GB of compressed pages on a 36 GB machine; a recorded full test run reduced core log lines from 610,996 to 1,411.

Measured 13 addresses with no tracking

Measured thirteen addresses from the web server's own access log alone — no cookie, no tracker and no third-party service — masking the client network as each line is written, and folding the result into a permanent archive of 21 daily counts and 20 monthly facets.

Made six collectors state what they skipped

Made six reporting collectors state the part of their input they never read — files that stayed shut, probes not installed, journal lines unrecognised — and fitted thresholds to 116 measured samples, after establishing that a blind collection and a healthy host render the same page.

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 “Monitoring & Observability” 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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Contact card

Carefully Crafted With Love by D.

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