MEHDI SINGER

Technical Solutions Engineer

Systems · Automation · Device Lifecycle · MDM · Event Technology

London, UK · m@hdi.cool · me.hdi.cool · linkedin.com/in/mehdi-singer-43300060

01 / PROFILE

Technical Solutions Engineer with 15+ years across technical operations, device deployment, MDM, event technology, automation and multi-platform support. I translate client and operational requirements into reliable technical solutions, and build the internal systems organisations run on — device-lifecycle and MDM pipelines, deployment automation with queuing, retry logic and audit logging, network segmentation, and internal web tooling across Windows, macOS, iOS, Android and VR. Python/Django builder; I built and operate KitLog, a live equipment-register product, through Central Technologies Limited. Proven at scale: a deployment pipeline I designed delivered 6,000+ devices for the UK General Election with zero critical failures.

02 / CORE STRENGTHS

- **Solution design** — Translating client and operational requirements into repeatable, auditable technical delivery.
- **Device lifecycle & MDM** — Multi-platform pipelines, mass enrolment, configuration automation, fleet consolidation.
- **Event technology** — Complex multi-platform event and deployment solutions delivered against fixed dates.
- **Reliable automation** — Queuing, retry logic, per-device status tracking, secure logging, role-based access, audit trails.
- **Build** — Python, Django, Flask, PostgreSQL; internal web tooling and API-driven workflows.
- **Infrastructure** — Network segmentation, backup architecture, failure-mode design, consolidation of fragmented systems.

03 / EXPERIENCE

Technical Solutions Engineer

Aug 2026 – Present

Hire Intelligence International

Promoted into a broader engineering role translating client and operational requirements into reliable technical solutions.

- Design and deliver complex event, deployment and multi-platform solutions from client and operational requirements.
- Own MDM, automation, networking and scripting across the technical estate, making delivery repeatable and auditable.
- Build internal tooling, and provide senior troubleshooting, documentation and technical guidance to the team.

Senior IT Technician — Technology Operations & Event Delivery

Oct 2021 – Aug 2026

Hire Intelligence International

Built the internal systems that moved device deployment, asset recovery and infrastructure from manual to automated and auditable.

- Designed a staged device-deployment pipeline — queued enrolment, retry logic, per-device status tracking, role-based access, secure logging — scaling throughput from ~400–500 to 1,000+ devices per month.
- Delivered 6,000+ devices for the UK General Election across Windows, macOS, iOS, Android, and VR with zero critical failures and 100% on-time delivery.
- Consolidated three MDM platforms into one (Miradore), segmented the network, and built an end-to-end asset-recovery system that recovered £60k+ of tracked damages in year one.
- Delivered 10+ large-scale events including RCOG, Adobe, Sleek Events and SNL UK — among them automated preparation and session-reset workflows for 75+ Adobe Summit lab devices.
- Engineered security and observability into the platform: secrets never written to logs, layered access permissions, and a full audited change history.
- Redesigned network topology to isolate the imaging and WDS network from corporate traffic.
- Re-architected company infrastructure: segmented the technical, office and phone networks, and automated backups across three locations to remove single points of failure.
- Integrated AI into operational workflows with human review — overnight AI-assisted equipment staging, operational-data retrieval, script and snippet generation, document summarisation, and an email-triage automation that verifies the sender domain and routes summarised leads to the sales pool.
- Built internal web applications (Python/Flask, SQLite, HTML/JS/CSS) for asset management and workflow automation; mentored and trained junior technicians.

Founder & Director — Private Technology Management

Sep 2019 – Present

Central Technologies Limited

End-to-end technology environments for private clients, and the company through which I build and operate my own products.

- Design and run complete technology environments — architecture, security, backups, and ongoing reliability.
- Built and operate KitLog, a live equipment-register and asset-tracking product for small businesses.
- Retained long term for technical competence, judgement, and discretion.

IT Technician / Field Engineer

Apr 2013 – Aug 2021

Computer Doctors Lab Ltd

Rebuilt and scaled networks for growing SMEs under time and budget pressure, across enterprise, retail, and private-client environments.

- Diagnosed needs from incomplete information and delivered working systems fast; 99%+ success rate.
- Supported clients including Christian Louboutin, Sky B2B, Burberry, and Harvey Nichols.

Voice Over Artist

Aug 2011 – Sep 2020

BBC

Part-time voice work alongside my IT career.

- Translated and dubbed documentaries and television series for BBC World Service.

Infrastructure Technician to Infrastructure Lead

2003 – 2013

Earlier roles — London & Iran

Progressed from hardware technician to infrastructure lead, digitising operations and designing networks across multiple organisations.

- Designed and built networks for organisations moving from paper-based to digital operations.
- Progressed from hardware support into infrastructure ownership and technical leadership.

04 / SELECTED PROJECTS

UK General Election — Device Deployment Platform

Project

MDM · multi-platform · queued pipeline with retry & audit

Designed a staged pipeline with queued enrolment, retry logic, status tracking, role-based access, and audit logging — delivering 6,000+ devices for the UK General Election with zero critical failures.

KitLog — Equipment Register and Asset Tracking

Live

Live product · built and operated through Central Technologies Limited

Equipment register and asset tracking for small businesses: assignments, return reminders, employee offboarding checklists, QR labels, CSV imports, and audit-ready exports. Administrators log in; staff receive assignment, return and offboarding emails without needing accounts.

https://kit-log.com/

Event Technology Delivery — Adobe Summit Lab Devices

Delivered

Multi-platform event delivery · automated preparation and session reset

Automated the preparation and between-session reset workflows for 75+ Adobe Summit lab devices, so each session started from a known-good state without manual rebuilds. One of 10+ large-scale events delivered, alongside RCOG, Sleek Events and SNL UK.

Multi-Agent Verification Workflow

Project

Multi-model orchestration · Markdown-defined agent specs

Designed a workflow where separate agents plan, execute, and independently verify each task in a loop — with automated web-based verification, built around separation of duties so model output is never treated as authority.

Asset Recovery System

Project

Python · workflow automation · finance reporting

Built an end-to-end system — technician form with database lookup and evidence capture, approval routing, automated comms, and finance reporting with a full audit trail. Recovered £60k+ of tracked damages in year one.

SME Workflow Automation Platform (working title)

In progress

Python · Django · PostgreSQL · Tailwind · agent-first architecture

Designing an agent-first platform for SME office management: routine admin, internal requests, documents, expenses, appointments, and task management. A separate project from KitLog, and not publicly launched.

05 / TECHNICAL SKILLS

Systems & Platform — Device-lifecycle and MDM pipelines (Miradore; tested Mosyle and Hexnode), mass enrolment and configuration automation, network segmentation and topology, Active Directory and Group Policy, Windows Server, Exchange, VPN, backup architecture.

Event Technology & Delivery	Complex event, deployment and multi-platform solutions delivered against fixed dates; automated device preparation and between-session reset; multi-platform fleets spanning Windows, macOS, iOS, Android and VR.
Development & Automation	Python, Django, Flask, PostgreSQL, SQLite, JavaScript, HTML, Tailwind CSS, REST/API workflows, internal web tooling, scripted deployment.
AI Systems	Multi-agent orchestration, separation-of-duties verification loops, agent-first application design, AI-augmented operational workflows with human-in-the-loop review.
Reliability & Security	Role-based access, secure logging, audit trails, failure-mode and retry design, three-location backup.
Professional	Technical leadership, mentoring, large-scale delivery, documentation, stakeholder-facing problem solving.
Languages	English and Farsi (fluent).