



IT INFRASTRUCTURE / INDEPENDENT PRODUCT DEVELOPMENT

Muhammad Faizan.



Senior Systems & Network Administrator

18+ years in enterprise IT - and the hands-on development skills to turn an operational need into production software.

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LinkedIn

Based in Kuwait

18+

Years in enterprise IT

4,000+

Users supported

99.99%

Critical systems uptime

100+ hrs

Saved monthly through automation

Infrastructure experience. A builder's mindset.

I design and run reliable systems, build practical software, and share the knowledge behind both.

UnifiedRecorder

Sole creator of a production call recording platform.

Go / Bash / MySQL / Ubuntu

DockMaster

Sole creator of an open-source Docker host manager.

Go / React / TypeScript / SQLite

INSIDE

02 Experience

05 Selected work

03 UnifiedRecorder

06 Expertise

04 DockMaster

07 Writing



01 / THE EXPERIENCE

A career built on reliability.

18+ years across enterprise infrastructure, network operations, automation, and technical support.

JUN 2015
PRESENT

Kuwait

CURRENT ROLE

Senior Systems & Network Administrator

American International School of Kuwait

Leading infrastructure for a community of 4,000+ users, with a focus on availability, security, and efficient operations.

50+

Servers managed

500+

Network devices

24/7

Monitoring

- Maintained **99.99% uptime** for critical systems through high availability configurations.
- Implemented Docker infrastructure that reduced hardware costs by **40%**.
- Automated Active Directory workflows with PowerShell, saving **100+ hours monthly**.
- Built Python/Django monitoring for **300+ access points, 50+ switches, and 400+ IP cameras**.
- Delivered hybrid Exchange integration, Veeam recovery, virtualization, redundant campus networking, and Fortigate security.

Environment: Windows Server, Exchange / Office 365, VMware, Hyper-V, Proxmox, Cisco, Fortigate, Docker, PowerShell, Python, and Veeam.

NOV 2009
JUN 2015

Kuwait

Network / System Administrator

Computer Troubleshooters Kuwait

- Managed Windows Server, Active Directory, Group Policy, DNS, DHCP, and file services across client environments.
- Configured network equipment, improved performance, implemented access policies, and trained technical staff and end users.

NOV 2007
SEP 2009

Kuwait

Network / System Administrator

Kellogg Brown and Root Kuwait

- Managed daily network operations, internet and intranet services, backup, and disaster recovery.
- Planned LAN/WAN infrastructure, diagnosed network issues, provided Level III support, and mentored technicians.



02 / INDEPENDENT PRODUCT DEVELOPMENT

UnifiedRecorder.

Built in my spare time. Used in enterprise operations.

SOLE CREATOR & DEVELOPER

I independently built an on-premises call recording and management platform for Cisco CUCM, from the Go backend and MySQL database to extensive Bash scripting, the dashboard, integration, and Ubuntu deployment.

500+

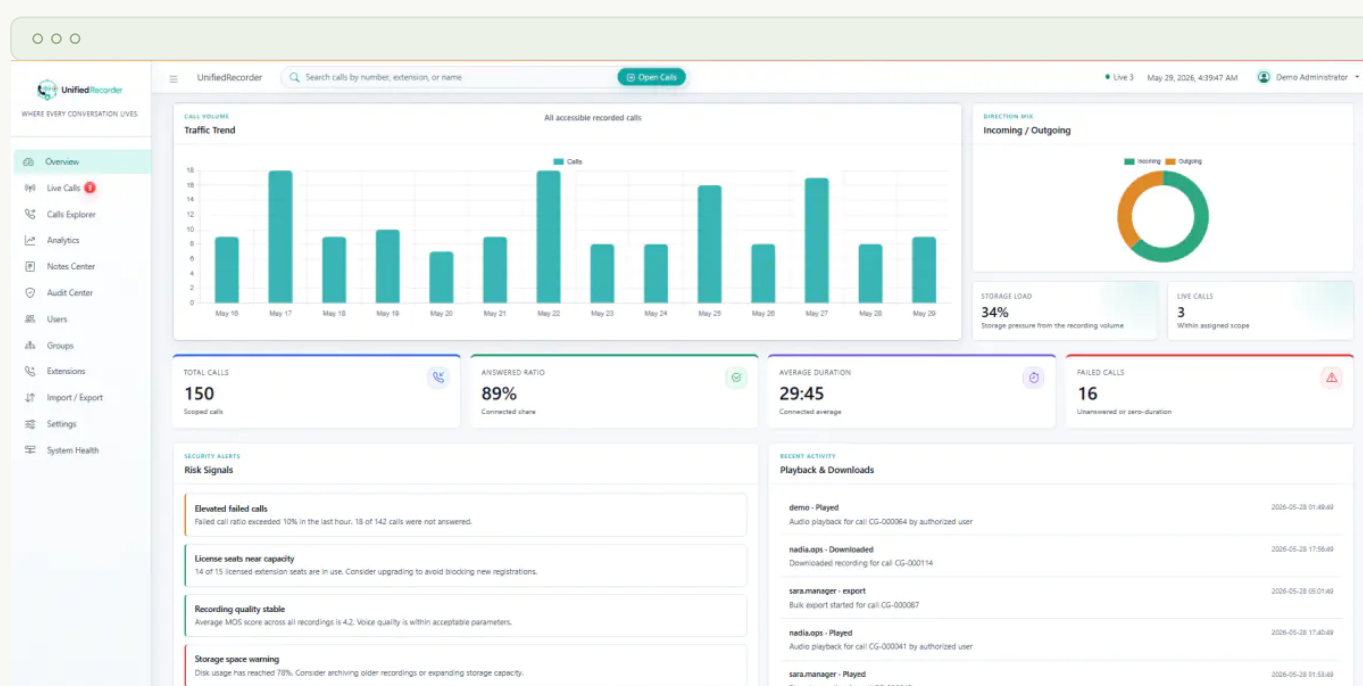
Employees in the company using it

300-400

Calls recorded per day

1

Independent creator & developer



Actual product dashboard with demo data. Production figures above describe its use in a company with 500+ employees.

Recording & integration

Active and passive recording support. Cisco CUCM integration, documented SIP / Built-in Bridge setup, and paired recording legs.

Access & accountability

Six-tier permissions, extension-scoped groups, and an audit workspace for recording access and administrative activity.

Application & analytics

Searchable recording library, waveform playback, live-call views, analytics, tags, notes, downloads, and exports.

Deployment & operations

Ubuntu support, extensive Bash scripting, a guided installation workflow, health visibility, retention, and managed jobs.

unifiedrecorder.com

[Explore the public demo](#)



03 / INDEPENDENT OPEN-SOURCE DEVELOPMENT

DockMaster.

One workspace for your Docker hosts.

SOLE CREATOR & DEVELOPER / EARLY PREVIEW

A Docker host manager I developed independently, with a Go backend, React/TypeScript frontend, and SQLite. It combines local and SSH host connections with container operations, Compose deployments, and day-to-day investigation tools.

99

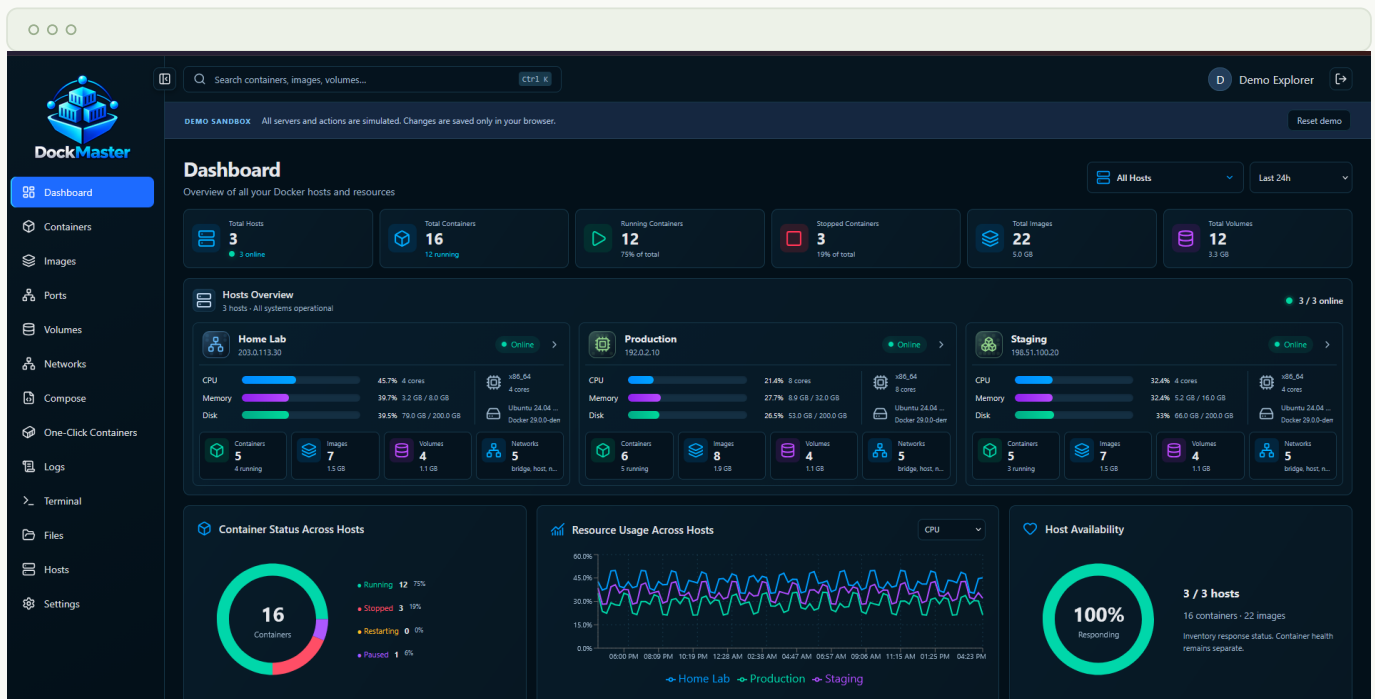
Application deployment templates

Local + SSH

Docker host connections

Apache 2.0

Open-source license



Public sandbox screenshot. All hosts, actions, and metrics shown are simulated; installed instances connect to real Docker engines.

Docker & host integration

Local UNIX sockets and remote Linux hosts over SSH. Single-host and combined inventories with resource and status views.

Compose & applications

Edit and validate Compose configuration, follow deployment jobs, and choose from 99 templates across 10 categories.

Investigation & resources

Container logs, terminals, files, images, ports, volumes, and network workspaces. Integrated Trivy image scanning.

Accounts & delivery

Admin, operator, and viewer roles; optional TOTP, read-only API tokens, and audit records. Multi-stage Docker builds and Compose deployment.

GitHub: [DockMaster6/dockmaster](https://github.com/DockMaster6/dockmaster)

[Explore the public demo](#)



04 / MORE SELECTED WORK

Practical solutions. Real impact.

A selection of infrastructure and automation projects from my enterprise IT work.

01 / HYBRID CLOUD

Exchange hybrid infrastructure

4,000+ email accounts

Designed and implemented on-premises Exchange and Office 365 integration, supporting 99.99% uptime and dependable enterprise email.

Exchange / Office 365 / Hybrid cloud

02 / MONITORING

Network monitoring system

300+ APs / 50+ switches

Developed a Python/Django platform monitoring access points, switches, and 400+ IP cameras, with real-time email and SMS alerts.

Python / Django / SNMP

03 / AUTOMATION

Active Directory automation

100+ hours saved monthly

Created PowerShell scripts and Python tools for user provisioning, group management, and access control, reducing repetitive administration.

PowerShell / Python / Active Directory

04 / CONTAINERIZATION

Docker infrastructure

40% lower hardware costs

Containerized monitoring and custom applications to reduce hardware needs and make application management more efficient.

Docker / Containers / Infrastructure

05 / CUSTOM DEVELOPMENT

Cisco switch management GUI

50+ switches managed

Built a Python/Django web interface for configuring, monitoring, and troubleshooting Cisco switches without native graphical management.

Python / Django / Cisco CLI

06 / BUSINESS CONTINUITY

Backup & disaster recovery

Critical-service protection

Implemented Veeam-based backup and recovery for Exchange, file services, and databases, with a focus on data protection and rapid recovery.

Veeam / Backup / Disaster recovery

[Discuss these projects](#)



05 / THE TECHNICAL FOUNDATION

Depth across the stack.

Infrastructure, software development, and operations - grounded in practical application.

Systems & identity

Windows Server 2012-2022; Active Directory; Group Policy; Exchange / Microsoft 365; Ubuntu / CentOS.

Networks & security

Cisco CUCM, Catalyst, and wireless; VLANs; OSPF; Fortigate; VPN; TCP/IP, DNS, and DHCP.

Cloud & virtualization

Microsoft Azure; VMware vSphere; Hyper-V; Proxmox; Docker and Docker Compose.

Development & automation

Go; React / TypeScript; PowerShell; Python; Bash; HTML / CSS / JavaScript; PHP; Git; REST APIs.

Data & resilience

MySQL / MariaDB; SQLite; SQL Server; Veeam; backup and recovery; Dell EMC / Synology storage.

AI & IT operations

OpenAI APIs; Microsoft AI services; scikit-learn; monitoring; infrastructure planning; technical documentation.

Microsoft certifications

 EXPERT Azure Solutions Architect Expert AZ-104 / AZ-305	 ASSOCIATE Azure Administrator Associate AZ-104	 ASSOCIATE Windows Server Hybrid Administrator Associate AZ-800 / AZ-801
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Education & continued learning

Diploma in Advanced Networks Management

Allied Computer International

Diploma in Hardware and Maintenance

Government College Lahore

Intermediate

MAO College Lahore

Continuous development through hands-on labs, technical writing, community knowledge sharing, and mentoring.



06 / KNOWLEDGE, SHARED

Experience worth writing down.

For 8+ years, I have run MCSA Guru to share practical IT knowledge. The UnifiedRecorder blog adds a focused voice and collaboration publication.

FOUNDER & TECHNICAL AUTHOR

MCSA Guru

8+ years running

Practical walkthroughs for Windows Server, Microsoft 365, Teams, Docker, virtualization, Proxmox, PowerShell, and AI developer tools.

SELECTED GUIDES

Fixing truncated PowerShell output

Formatting objects, wrapped tables, and report exports.

Migrating VMware VMs to Proxmox

Disk imports, guest drivers, boot fixes, and verification.

Backing up and restoring Proxmox VMs

Backup modes, schedules, retention, and restore testing.

[Explore the publication](#)

PRODUCT & ENGINEERING GUIDES

UnifiedRecorder Blog

Voice & collaboration

Guides covering Cisco CUCM, SIP, recording architecture, phone registration, CDR/CMR, Webex, gateways, and enterprise networking.

SELECTED GUIDES

How Cisco CUCM call recording works

Active and passive approaches, Built-in Bridge, and call flow.

Cisco IP phone registration

Troubleshooting PoE, VLANs, DHCP, TFTP, and CUCM.

Understanding CDR and CMR records

Call metadata and media-quality diagnostics.

[Explore the publication](#)

LET'S CONNECT

Infrastructure experience.
A builder's mindset.

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[Connect on LinkedIn](#)

Product demos, source code, and selected articles are linked throughout this portfolio.