

Rizwan Khan

Senior System Engineer

PROFILE

For more than 19 years I have designed, migrated and stabilised complex enterprise infrastructures.

My focus is on Microsoft platforms, Active Directory, MECM, hybrid operating models and automating recurring work with PowerShell.

In demanding engagements I combine architecture, hands-on implementation and coordination between business units, vendors and IT operations.

All client engagements were carried out independently as a contractor; some engagements ran in parallel.

SCOPE OF RESPONSIBILITY & CONTRIBUTIONS

2025 · BGW engagement

Current engagement as MECM/SCCM Expert for Windows 11 deployment, software distribution and patch management.

Global · MECM architecture

Implemented MECM architecture, zero-touch images, drivers, software packages and content distribution for international sites.

RK TECH LTD · AI & software

Responsible for AI automation and the technical delivery of web and app products.

54,000 · Endpoints analysed

Recovery concept and rebuild of a compromised Active Directory environment after a ransomware attack.

Enterprise · IT integration

Developed integration paths for the Microsoft infrastructures of several Volkswagen subsidiaries covering AD, GPO, Intune and MECM.

SELECTED PROJECT EXPERIENCE

January 2025 – present

BGW

MECM/SCCM Expert

Engagement for the Berufsgenossenschaft für Gesundheitsdienst und Wohlfahrtspflege (BGW), the German statutory accident insurer for the health and welfare sector.

- I analyse and maintain task sequences, application models, collections and content distribution for Windows 11 deployment.
- I take software packages from the technical model through distribution to delivery to the intended target groups.
- I review maintenance windows, update distribution and compliance views in the patch management process.

[MECM](#) / [SCCM](#) · [Windows 11](#) · [PowerShell](#) · [Software Distribution](#) · [Patch Management](#)

June 2015 – December 2025

Dataport AÖR

Senior System Engineer

Long-running framework contract with variable utilisation for operating and developing business-critical applications in complex data-centre environments; individual shorter engagements ran in parallel.

- I mapped technical dependencies between applications, middleware, databases and connected services.
- I planned and supported migrations through test, change and go-live up to the handover into data-centre operations.
- I coordinated technical work packages with customers, vendors and internal IT units.

[Windows Server](#) · [Citrix](#) · [PowerShell](#) · [SQL](#) · [Middleware](#) · [ITSM](#) / [Remedy](#)

July 2022 – March 2023

Volkswagen

Microsoft Solution Architect

Engagement for the technical integration of numerous subsidiaries.

- I analysed differences in directory services, group policies, device management and application delivery.
- I developed technical integration paths for Active Directory, Group Policy, Intune and MECM.
- I prepared concepts for permission, policy and application migrations.

[Active Directory](#) · [Group Policy](#) · [Intune](#) · [MECM](#)

January 2021 – February 2022

BRITA GmbH

MECM Consultant

Engagement for a globally deployable endpoint management architecture.

- I designed and installed the MECM architecture for the headquarters and international sites.
- I developed zero-touch images, driver catalogues and software packages through to technical release.
- I integrated cross-site content distribution and carried out bandwidth tests.

[MECM](#) · [PowerShell](#) · [Windows 10](#) · [Content Distribution](#) · [ITSM](#)

Eurofins

Senior System Architect

Engagement for recovery and security after a ransomware attack.

- Within the recovery team I developed a concept for the network and a newly built Active Directory structure.
- My scope included analysing the documented state of 54,000 clients.
- I supported the clean-up strategy and planned the migration path for users, policies and resources.

Active Directory · PowerShell · DNS · Group Policy · Security

Ongoing, in parallel

RK TECH LTD

Own company

Founder & Technical Lead

Own company, run in parallel, for AI automation and web and app development.

- I analyse manual workflows and translate them into user flows, dashboards, portals and automation steps.
- I am responsible for product scope and technical direction for MVPs, web applications and mobile apps.
- I coordinate full-stack development, QA, releases and further development with 20 employees at RK TECH HUB LTD in India, the operational delivery hub of RK TECH LTD.

AI Automation · Web Development · App Development · Full-Stack Development · QA · Product Development

FULL PROJECT ARCHIVE – 29 FURTHER ENGAGEMENTS

Every engagement is documented individually. Detailed case studies are available at khan.rktechs.io/en.

May 2014 – June 2015	Overland Storage / V3 / Sphere 3D / Tandberg Data Senior System Engineer Active Directory & Migration · Active Directory · Exchange · VMware ESX · Windows Server
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April 2013 – September 2013	Euler Hermes / Allianz Team Lead Leadership · SCCM · AdminStudio · App-V · WSUS
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January 2013 – March 2013	Universität Hamburg SCCM Consultant Endpoint Management · SCCM · MDT · USMT · Endpoint Protection
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October 2012 – November 2012	IP-Dynamics Unified Messaging Consultant Messaging & Collaboration · Microsoft Lync Server · Unified Messaging · 3rd-Level Support · Workshops
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May 2012 – June 2012	LSH-AG Seevetal System Administrator Endpoint Management · Windows 7 · Group Policy · User Management · Network Administration
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March 2012 – April 2012	Hapag-Lloyd System Engineer Active Directory & Migration · Active Directory · AD Sites · DNS · Group Policy
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January 2012 – February 2012	Otto GmbH & Co. KG Database Administrator Data & Automation · SQL Server 2008 · Oracle · Performance Tuning · Production Support
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November 2011 – January 2012	Hauni Maschinenbau AG Migration Consultant Endpoint Management · Application Compatibility · Software Rollout · Windows · Documentation
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September 2011 – November 2011	Gewerbeschule G18/G19 Migration Consultant Messaging & Collaboration · SharePoint Services · Group Policy · Multi-Domain · Migration
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August 2011 – September 2011	Siemens AG System Administrator Data & Automation · PowerShell · Windows 7 · Automation · Support Workshops
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May 2011 – June 2011	Dataport AöR Linux Systems Consultant Virtualisation & Operations · Linux · Authentication · System Administration · Administrator Training
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March 2010 – April 2010	BMI Berlin SCCM Consultant / Trainer Endpoint Management · SCCM · Site Design · Networking · Troubleshooting
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October 2009 – November 2009	C. Marschner KG System Engineer Messaging & Collaboration · Exchange 2003 · Exchange 2007 · Mailbox Migration · Active Directory
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March 2009 – April 2009	Kanzlei Huth Backup Consultant Security & Recovery · Backup Exec · Active Directory · File Server · Disaster Recovery
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August 2007 – April 2008	Skillnetworks GmbH IT Consultant / IT Trainer Virtualisation & Operations · Windows Server · SCCM · Exchange · VMware
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October 2013 – May 2014	Klett Verlag Senior System Engineer Endpoint Management · SCCM · MDT · Active Directory · Exchange
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February 2013 – April 2013	VEM Motors GmbH Migration Consultant Endpoint Management · SCCM · SQL Reporting Services · File Server · SID Mapping
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November 2012 – December 2012	Joh. Berenberg Gossler Scripting Consultant Data & Automation · PowerShell 3.0 · Batch · Windows Server · Automation
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August 2012 – September 2012	Peter-Kremser Database Administrator Data & Automation · SQL Server · Indexing · Backup & Restore · Replication
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April 2012 – May 2012	TK Hamburg Migration Consultant Messaging & Collaboration · Lotus Notes · Microsoft Exchange · Migration · Documentation
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February 2012 – March 2012	Stadt Lübeck System Administrator Active Directory & Migration · Active Directory · Group Policy · Event Logs · Windows Security
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January 2012 – February 2012	Bassler AG SCCM Consultant Endpoint Management · SCCM · Operating System Deployment · Driver Management · Task Sequences
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October 2011 – November 2011	Prinovis Ltd. & Co. KG Windows Security Consultant Security & Recovery · Windows 7 · PowerShell · EFS · BitLocker
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September 2011 – October 2011	MG IT Services Exchange Consultant Messaging & Collaboration · Exchange 2007 · Exchange 2010 · 3rd-Level Support · Migration
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July 2011 – August 2011	Juwi Holding AG SCCM Consultant Endpoint Management · SCCM · PXE · Task Sequences · Distribution Points
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January 2011 – April 2011	Hamburg Süd System Engineer Messaging & Collaboration · SharePoint 2010 · SQL Server · PKI · CRL
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January 2010 – March 2010	UKE Hamburg System Administrator Security & Recovery · ACL · Active Directory · Group Policy · Folder Redirection
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June 2009 – July 2009	Nord Boden Wohnimmobilien Verwaltungs-GmbH Network Consultant Virtualisation & Operations · Networking · Routers · Switches · Firewalls
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December 2008 – February 2009	Fondsbörse Zweitmarkt Hamburg Virtualisation Consultant Virtualisation & Operations · VMware · Hyper-V · Virtual Networking · Storage
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SKILLS

Microsoft Enterprise

Active Directory · Group Policy · MECM / SCCM · Intune · Windows Server · Exchange · IIS

Automation & Operations

PowerShell · Batch · Python · ITSM / Remedy · Monitoring · Backup · Disaster Recovery

Data & Middleware

SQL Server · PostgreSQL · MySQL · Apache · Tomcat · JBoss

Leadership & Delivery

Solution Architecture · Technical Project Management · Stakeholder Management · Team Leadership · ITIL

Platforms & Virtualisation

VMware vSphere · Hyper-V · Citrix · RHEL · Ubuntu

AI-accelerated Full-Stack Engineering

Next.js · React · TypeScript · API Integration · AI Workflow Automation · Mobile Apps · MVP Development · QA & Release

Cloud

Microsoft Azure · AWS · Google Cloud

CERTIFICATIONS

2023	ITIL 4 Foundation PeopleCert
2012–2018	MCSA / MCTS - Windows Server 2012 & 2016, Exchange 2016, SQL Server 2016, SharePoint and SCCM Microsoft
2008	MCITP, MCTS and MCSA - Enterprise Administration & Configuration Manager Microsoft
2002–2004	MCSE / MCSA - Windows Server 2000 & 2003 Microsoft
2008	LPIC-1 / LPIC-2 Linux Professional Institute

EDUCATION & LANGUAGES

2005	Bachelor of Computer Sciences (Software Engineering) University College London
German	Business fluent
English	Business fluent
Urdu / Hindi	Native