

# JOHAN PIETERSE

## Cloud Solutions Architect

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## Personal information

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The following table outlines some personal information

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Website:	<a href="https://u1.co.za">https://u1.co.za</a>
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Address:	Pretoria East
Disabled:	No
Blacklisted:	No
Criminal record:	No
Valid drivers license	Yes

## Overview

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With a profound understanding of Microsoft technologies, I have successfully on behalf of Microsoft and several service providers, delivered complex enterprise-scale projects. I am deliverable focused and believe honesty and integrity is key to success.

## Results Driven

- Customer Centricity
- Listen and Maintain Open Communication
- Being Accountable
- Fostering Trust
- Consistent Follow-Up and Evaluation

- Proactive Problem Solving
- Delivering Value

## **Microsoft Cloud Services**

- Microsoft Azure Design and Planning
- Microsoft Azure Migration
- Microsoft Azure Support, Optimisation and Management
- Microsoft Azure Billing & Cost Management
- Microsoft Azure Security and Compliance
- Cloud Proof of Concepts
- Cloud Proof of Technology

## **Microsoft Security Services**

- Microsoft's Rapid Modernisation Plan
- Microsoft Defender for Identity
- Microsoft Endpoint Protection
- Microsoft Defender for Cloud Apps
- Microsoft Defender for Cloud
- Microsoft Defender for Office 365
- Zero Trust Controls
- Microsoft Infrastructure Services

## **Identity and Access Management**

- Server Infrastructure and Management
- Security and Compliance
- Networking and Remote Access
- Hybrid Cloud and Integration with Azure
- Backup and Storage Solutions
- Windows Server: Messaging, management and collaboration services

## **Microsoft Identity Services**

- Privileged Identity Management (PIM)
- Privileged Access Management (PAM)
- Role base access control (RBAC)

- Enhanced Security Admin Environments (ESAE)
- Multi Factor Authentication (MFA)
- Access Reviews
- Entra Connect - Identity synchronization

## Employment History

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I had privilege of working with a handful of reputable companies, including:

### **NETSURIT**

#### **Cloud Solutions Architect (subcontractor)**

2021 - Current

Designing, implementing, and managing solutions using Microsoft technologies. Assessing client environments, identifying challenges, and creating tailored strategies to improve performance, cost, scalability, and security.

### **MICROSOFT SOUTH AFRICA**

#### **Senior Consultant / Architect (subcontractor)**

2015 - 2021

Designing and delivery Microsoft solutions within in the Secure Infrastructure and Modern Work domains.

### **MICROSOFT SOUTH AFRICA**

#### **Senior Consultant**

2010 - 2015

Senior consultant in core infrastructure with deep technology knowledge and the ability to architect solutions by mapping customer business and technical requirements to an end-to-end solution.

# Work Experience

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## Cloud Migration

Technical lead during a Microsoft initiated migration project where servers, applications and services were migrated to Azure. First point of contact for the project owner, project managers, subscription owners, internal and external technical teams.

- **Cloud review:** review existing cloud environment including management groups, subscriptions, resource groups, virtual networks, subnets, network security groups, policies, connectivity, permissions etc.
- **Cloud planning:** planning the target cloud infrastructure based on findings during the review phase.
- **Application and server assessment:** detailed technical assessment of applications, services and servers including technical review sessions with applications owners, vendors and developers.
- **Technical documentation:** Architecture design, planning documents, governance/security/cost reports, assessment reports, project closure documents, weekly project status reports, deployment guides.
- **Migration readiness:** deployment of migration appliances to multiple subscriptions for virtual and physical server migration.
- **Migration planning:** planning migration timeframes, resource scheduling, server replication, replication tests.
- **Migration and remediation:** migration of servers, services, applications and remediating where needed.

## Cloud Management and Support

Technical lead in supporting the Azure environment of the above-mentioned migration project.

- **Billing and cost management:** review resource usage and Azure Advisor findings. Configure reserved instances, right-size VMs, hybrid benefit options. Ongoing billing reports and cost optimizations recommendations.
- **Service alignment:** advising subscription and technical owners, vendors and developers on strategies, recommended technologies and cloud models (IaaS PaaS).
- **Optimization and performance:** Using tools such as Azure monitor, log analytics, infrastructure as code, workbooks

- **Security and governance:** Using tools such as Azure policy, blueprints, management groups, tags for resource management and compliance. Using tools such as Entra, PIM, access policies, JIT.

## Cloud Managed Services

Lead architect responsible for the Azure environment of a Managed Services customer.

- **Configuration management:** create new Azure scaffolding elements as required, including subscriptions, resource groups, management groups.
- **Resource management:** Create new Azure IaaS and PaaS resources as requested, based on solution designs for applications and services.
- **DevOps:** Review existing infrastructure as code based on what is in DevOps and what is in Azure.
- **Governance:** Update all outdated tagging information in production, development and user acceptance testing environments. Configure a dedicated Azure Monitor instance for monitoring the customer Azure workloads and related services.
- **Documentation:** Update wiki pages with reference architecture documentations, DevOps project information.
- **Resource creation:** Create and configure required network resources in Azure, including virtual networks, subnets, network security groups, VPNs and gateways. Assist with deployment of applications to virtual machines, app services or other hosting mechanisms.
- **Collaboration:** Work with other networking teams and vendors to implement services, resolve issues and monitor services.

## E5 Security

Technical lead during the replacement of existing security products with products included in the E5 licensing stack (Defender for Cloud Apps, Defender for Identity, Defender for Endpoint, Defender for Endpoint). Responsible for maintaining all supported documents and presenting the initiative on the architectural forum.

- **Business requirement documentation:** Compile a business requirements document for all streams, discuss the content and get approval prior deployment.
- **Test cases and closure reports:** create and assist with test cases for all streams.

- **Operations and deployment guides:** create and assist with test cases for all streams.
- **Architecture:** Responsible for the high-level reference architecture document that includes technical, stakeholder and business requirements.
- **Team management:** Support the project manager and technical team with project and technical related issues.

## Microsoft Rapid Modernisation

Technical consultant (for a bank) responsible for recommending the approach to Microsoft's rapid modernisation plan (RAMP) which helps with the adoption of a recommended privileged access strategies.

- **Privileged access accounts:** review privileged access accounts for Active Directory Domain Services (5 domains) and Entra ID.
- **Sensitive accounts:** Planning the mitigation of privileged account risks (Emergency access accounts).
- **PIM and PAM:** Review privileged account management (PAM) and privileged identity management (PIM) for sensitive accounts (5 domains).
- **ADDS and Entra ID:** Review existing Active Directory and Entra ID deployments and make recommendations to better secure these services.
- **Documentation:** Document the security status of Entra ID including devices, data, identities and applications.
- **Environment review:** Review the health of Entra Connect (view alerts, monitor performance, usage analytics).
- **Zero Trust security:** Outline steps required to manage identities following the principles of a Zero Trust security framework.
- **Defender for Identity:** Review the deployment of Microsoft Defender for Identity and document the number of alert types, criticalities and sensor health.
- **Role base access control:** Review the deployed role-based access control for sensitive accounts.

## Legacy projects

The following table outlines some legacy projects:

Technology Stream	Number of users
Migration project including the following streams: Active Directory (3 Tier Model) Exchange 2019 Microsoft Identity Manager File and Print Services	± 3000
Cross Forest Migration	± 40 000
Office 365 Enablement	± 20 000
Exchange migration	± 30 000
Hyper-V migration	± 4000
Active Directory Exchange design and deploy	± 14 000

Table 1: Legacy Projects

## Education

### Microsoft Certifications

The following table outlines Microsoft certifications since 1996:

Microsoft Specialist			
Certification number:	F166-1555	Achievement Date:	01/15/2015
Certification version:	Implementing Microsoft Azure Infrastructure Solutions		
Microsoft® Certified Technology Specialist			
Certification number:	F188-3000	Achievement Date:	11/20/2007
Certification version:	Microsoft Exchange Server 2007, Configuration		

Microsoft Certified Systems Administrator			
Certification number:	F188-3004	Achievement Date:	09/03/2004
Certification version:	Windows Server 2003		
Microsoft Certified Systems Engineer			
Certification number:	F163-2129	Achievement Date:	07/31/2002
Certification version:	Windows 2000		
Certification number:	F188-3022	Achievement Date:	07/31/2002
Certification version:	Windows NT 4.0		
Microsoft Certified Professional			
Certification number:	F188-3016	Achievement Date:	10/13/1998
Certification version:	Microsoft Certified Professional + Internet		
Certification number:	F188-3021	Achievement Date:	11/04/1996
Certification version:	Microsoft Certified Professional		

Table 2: Microsoft Certifications

## Microsoft Exams

The following table outlines Microsoft exams since 1996:

Exam ID	Description	Date Completed
533	Implementing Microsoft Azure Infrastructure Solutions	Jan 15, 2015
347	Enabling Office 365 Services	Jan 12, 2015
236	Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Environment for an MCSE Certified on Windows 2000	Nov 30, 2005
292	Managing and Maintaining a Microsoft Windows Server 2003 Environment for an MCSA Certified on Windows 2000	Sep 03, 2004
216	Implementing and Administering a Microsoft Windows 2000 Network Infrastructure	Jul 31, 2002

219	Designing a Microsoft Windows 2000 Directory Services Infrastructure	Jul 26, 2002
217	Implementing and Administering a Microsoft Windows 2000 Directory Services Infrastructure	Jul 19, 2002
215	Installing, Configuring, and Administering Microsoft Windows 2000 Server	May 07, 2002
210	Installing, Configuring, and Administering Microsoft Windows 2000 Professional	Feb 01, 2002
087	Implementing and Supporting Microsoft Internet Information Server 4.0	Oct 13, 1998
073	Implementing and Supporting NT™ 4.0 Workstation	Aug 28, 1998
058	Networking Essentials	Aug 06, 1998
076	Implementing and Supporting Microsoft Exchange Server 5.0	May 05, 1998
068	Implementing and Supporting NT™ Server 4.0 in the Enterprise	Feb 24, 1998
067	Implementing and Supporting NT™ Server 4.0	Nov 07, 1997
059	Internetworking with Microsoft TCP/IP on Microsoft Windows NT™ 4.0	Aug 29, 1997
063	Implementing and Supporting Microsoft Windows 95	Nov 04, 1996
044	Networking Basics for Windows 95 and Windows NT	Mar 28, 1996

Table 3: Exams

## Most Recent Projects

The following is a list of my most recent projects.

### Azure migration and support

Technical lead during server and services migration for a leading South African mining and minerals company. Defining migration and engagement strategies for technical streams doing workload and lift-and-shift migrations.

## **Microsoft Rapid Modernisation**

Architect responsible for reviewing existing Enhanced Security Admin Environment (ESAE) within one of the leading banks in South Africa. Responsibilities included re-architecting security features and components used in ESAE and highlighting possible security findings.

## **E5 Security**

Technical lead responsible for delivering E5 reference architecture documentation for a leading bank in South Africa. Technologies included Defender for Identity, Defender for Cloud Apps, Defender for Endpoint and Purview.

## **Azure Migration**

Technical lead during application stream migration for one of the largest beverage companies in the world. In-depth application and server assessments to ensure minimal business impact.

Infrastructure readiness and server migration followed by remediation and troubleshooting if required.

## **Azure Deployment**

Implementation and support of Azure services for one of the leading banks in South Africa. The implementation comprised of a proof of technology (POT) landing zone for large data services. Project scope included knowledge transfer to customer staff through regular training sessions.

## **Cross forest migration**

Technical lead during a cross-forest migration for one of the world's leading diamond. Migration included identities, desktops, mailboxes, file, and application services.

## **Notable Achievements**

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- 95% Top Box Customer Ratings
- Nominated for CPE Award (Customer and Partner Excellence)
- 102% Billable Average in four years

- Microsoft Advance specialization: Infra and Database Migration to Microsoft Azure specialization – represented Netsurit in a day long audit where I showcased our migration projects. Netsurit was awarded the certification.

## Feedback from peers

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The following outlines some feedback from peers:

Johan you were the primary lead on the *project name removed* regional project. This was a complex and multi-faceted project which you did a great job. Exceeding customer expectations. (This project saved customer an estimated 4M rand according to the EM). Johan you have become a trusted advisor in this account and on its own this is a really great achievement.

Because of the trusted advisor status we were only going to do the overall design (partners were going to do the Migration) but they changed their views and insisted that you stay involved with the delivery! This is testament to the way you delivered on this account.

A really rock solid performance from you Johan. I really did appreciate all the hard work and dedication to the task at hand, you are truly in my opinion an asset to this business, Well done and good luck next FY.

Johan is truly a professional in all he does. The quality of his work and exceptional people skills amaze me. He has shown great ability and skills in various domains such as AD, migrations and related tools. He has willingly taken on tasks and work started by others, fixed what was broken and spent days away from his family in ensuring us as MCS delivers successfully.

To date every customer he has engaged with on my projects have expressed great appreciation for his attitude, skills and experience.

I have worked with Johan on a number of projects and hope to work with him on many more. Johan is highly skilled, knowledgeable and technically extremely competent. His passionate, positive attitude makes it an absolute pleasure to work with him. On every project, Johan displays strong customer focus and a drive for excellence. Even

though Johan engages in detailed project delivery, he never loses sight of the bigger picture ensuring that the best results are obtained for both Microsoft and the customer. Customers often request Johan by name as he has built up a solid reputation within our existing customer base.

He has led, managed and delivered large scale projects for me. Each of these projects resulted in Top Box CPE responses which reaffirms my sentiments above. He has the unique ability to deal with stakeholders at ALL levels, ranging from junior technical resources to senior Architects and C-Level executives.

Johan's positive energy is contagious and he manages to uplift the spirit and moral of all around him. I am more than happy to vouch for Johan. Please feel free to contact me should need any further feedback.

Johan is a self-motivated, reliable resource who takes ownership of his role and responsibilities on the projects he is working on. I have had the pleasure of working with him on numerous project and not once have I been disappointed with his dedication and commitment. I could always depend on Johan to deliver on committed timelines.

He works well with other team members toward a common goal and is always willing to share information he has gathered that the rest of the project team could benefit from. He doesn't think twice to go the extra mile should the client require it but always remains within scope of the project.

He is professional when dealing with the customers and with his knowledge level of the product he was always able to satisfactorily address the customer queries. His deliverables are of a good quality and he is always willing to put in the extra effort to explain document content to the customer should this be

required. The customers loved working with him and have voiced this on various occasions.

“When I think of Johan Pieterse, 2 main thoughts come up in my mind:

Johan has a “can do” attitude, and he gets things done. Johan drives himself, and doesn’t need to be driven by others around him. He is technically competent and versatile, and can think inside and outside the box.

Once users have had Johan on their projects, they love him and want him back for more. He gets high marks from them for customer focus, customer care, and customer satisfaction.

On top of the above, Johan is a very pleasant and accommodating individual, who works well on his own, and in groups.

Johan is a very valuable team individual, his tenacity and perseverance in getting the job done correctly and with a great deal of quality is admirable. In services our responsibility goes beyond having great depth and experience in technology. Our responsibility in ensuring repeat business, trust from our customer and placing our customer’s goals first is key. Ensuring that our value to the customer is clear, and our customers’ value to Microsoft is respected. I believe Johan displays these attributes and it is a pleasure to have him as part of the team.