* I am a technology driven professional with close to 9 years of experience(2012 – Present) in various enterprise level technologies. Over past 9 years, I have created and delivered Enterprise class solutions to clients and global customers. I have gained vast experience with critical project activities like Domain Migrations, Mergers, Acquisitions and Upgrades in large scale environments. I have specialized in the technology stacks listed below along with excellent project management and communication skills in English language.   
  + **Active Directory Services** : ADDS, Group Policies, DNS, Replication, AD LDS, LDAP, Authentication, DFSR, SSPI etc.
  + **Microsoft Azure Cloud** : IDaaS, IaaS, PaaS, Security, Monitoring, IaaC, Networking etc.
  + **Access Management with Federation tools** : ADFS, Ping Federate, Ping Access.
  + **Identity Synchronization and Management** : FIM, MIM and AAD Connect
  + **Single Sign on Protocols** : SAML, OAuth, WS-Trust\WS-Fed & Open ID Connect.
  + **CyberArk** : Vault, PSM, PVWA, CPM etc.
  + **Cryptography** : Public Key Infrastructure, PGP, AD CS, NDES, OCSP.
  + **Development & Programming** : .Net/C#, PowerShell, HTML, CSS, JavaScript, SQL.
* I have vast experience in designing and working with distributed systems like LDAP, Azure AD and other directory services & identity management technologies including MIIS, FIM, MIM, Microsoft Online/Azure implementations such as AD Connect.
* I have worked as a Subject Matter Expert & Trainer in ADDS, PKI, Azure AD, AAD Connect, ADFS, SSO Protocols like OAuth 2.0, Open ID Connect, SAML, WS-Fed.
* I have deep experience with Microsoft Azure services Identity management in Azure AD, B2B & B2C Integrations, Azure AD Governance and ID Protection, Public & Hybrid cloud setup, identity migrations etc.
* I have deep knowledge of Public Key Infrastructure, Certificates, PGP, cryptographic Keys & standards.

**Professional Experience (July 2012 – Present):**

* **Organization Name: IBM India Pvt. Ltd. Gurgaon**

**Total Tenure:** July 2012 to June 2014

**Last Position held: Sr. Practitioner**

* **Organization Name: Convergys India Pvt. Ltd. Gurgaon**

**Total Tenure:** June 2014 to August 2016

**Last Position Held: Senior Escalations Engineer**

* **Organization Name: Accenture India**

**Tenure**: August 2016 – June 2020

**Current Position:** Software Engineering Team Lead

* **Organization Name: HCL Technologies**

**Tenure**: June 2020 - Present

**Current Position:** Associate Consultant

**Technical Experience:**

**Consultant, Subject Matter Expert and Trainer in technologies listed below(not limited to):**

**Cloud Technologies:**

* Excellent Knowledge of Microsoft Azure Cloud Architecture.
* Identity Provisioning with Azure AD, O365 & MIM & AAD Connect.
* Azure Identity Protection
* Azure MFA Configuration, CAP, NPS Adaptor, ADFS integration, Risk based MFA etc.
* Conditional Access Policies Designing and Configuration.
* Azure AD SSO Integrations with SaaS apps, business apps, custom apps.
* Azure AD Application Proxy Deployment and configuration.
* Azure IaaS Compute Deployment with Azure Cloud.
* Identity Governance & Compliance: Configuring Access packages, TOU, Access Reviews etc.
* Azure B2C, Application onboarding, Identity Federation.
* Implementing Azure AD Pass-Through Authentication, agent configuration, troubleshooting etc.
* Configuration of User & Group provisioning to apps with SCIM.
* Implementation of OAuth, OIDC Standards into applications with MSAL library (Azure Identity)
* Virtual Machine HA configuration with Scale Sets, Availability sets, Availability zones etc.
* Secret & Key Management with Azure Key Vault Management including HSM.
* Azure Home Page Branding & SSPR configuration.
* Logs and Metric monitoring with Azure Monitor for all Azure Resources, Reporting, Automation.
* Azure App Service Deployment, Azure Authentication Design, Custom Domain Use, Monitoring.
* Azure Database Implementation & Integration with apps using Azure SQL, Cosmos DB.
* Migration of VM’s to Azure with Azure ASR & Azure Migrate service (Agent Based & Agentless)
* Azure Security Center, Azure Sentinel, Azure Log Analytics & SIEM Integration.
* Azure Storage Account Implementation & Design for Blobs, Tables, File Shares etc.
* Implementing Azure Networking with Network Security Groups, vNet’s, subnet management, Azure Firewall, Application Gateway(WAF) & Load Balancing,
* Vnet to Vnet, Site to Site, Site to VPN, Express Route configuration with Azure Networking.
* Proficiency with Azure Blueprints, Azure Policy, ARM Template, Automation runbooks
* Azure App Services, Containers, Kubernetes, Devops pipeline implantation & management.
* Azure ADDS as a service Implementation, configuration & management.
* Configuration of Azure Notification Hub, APNS etc.

**Identity Management & Cryptography(ADDS, DNS, ADCS):**

* **Active Directory Domain Design, Migration, Decommissioning, Fresh Installation, Upgrade and Configuration for all OS( Windows Server 2008, 2012, 2016, 2019)**
* **Excellent knowledge of LDAP protocol.**
* **Active Directory Domains capacity planning and Execution.**
* Troubleshooting AD Account Lockouts.
* Active Directory Security providers (NTLM, Kerberos, Trusts), and Security issues (Permissions, Auditing).
* Monitoring and troubleshooting Active Directory Replication between both writable and read-only Domain Controllers (RODC).
* SYSVOL monitoring / management / troubleshooting.
* Fine Grain Password Policies.
* DNS Management & troubleshooting.
* Directory Schema, LDAP, Domain Join, DC Promo, and other AD issues.
* User Profile Load and Unload issues, Group Policy Issues.
* Managing FSMO roles.
* Windows Time issues.
* Multifactor Authentication and Azure Multifactor authentication issues
* Advanced Group Policy Management troubleshooting
* Active Directory Domains and Trusts and setup trusts troubleshooting.
* Installation, Configuration & Management of ADLDS instances.
* Active Directory Monitoring through enterprise products & PowerShell automation tools.
* Active Directory Back up & Restore with authoritative & non authoritative backups.
* **Configuring and troubleshooting all CA types - (Standalone and Enterprise / Root & Subordinate) and Certificate template versions – v1, v2, v3 etc.**
* **Certificate lifecycle management processes and procedures (e.g., registration, identity proofing, certificate request, revocation, renewal).**
* Deep understanding of how SSL/TLS works and troubleshooting through knowledge of background handshake process via network traces.
* Deep understanding of cryptographic and encryption standards.
* PGP Encryption(Pretty Good Privacy)
* OCSP, NDES configuration with ADCS.
* Certificate Authentication and Management.

**Access Management\ Identity Federation:**

* Installation, Configuration & Upgrade Microsoft ADFS, Ping Federate
* Installation & Configuration of Web & API security with Ping Access
* Device Registration Service setup
* Multi Factor Authentication Setup
* Web Application Proxy, ADFS Proxy, Reverse Proxy, Gateway Modelling
* Workplace Join, Azure AD Device join
* Troubleshooting Authentication Flow issues
* Deep Understanding of WS Fed, SAMLP, OAuth & OIDC Protocols.
* Federation Certificate management.
* Custom access & authorization rule setup based on security requirements.
* Configuring Access Control Policies.
* Pattern designing to meet distributed authentication and authorization requirements.
* Smart Lockout\Soft lockout Configuration.

**Identity Synchronization:**

* Installation and troubleshooting Forefront Identity Manager 2010(FIM), Microsoft Identity Manager(MIM)
* Configuring Azure Active Directory I.e. Azure IDaaS
* Connecting and managing multiple Sync engines together.
* Metaverse object designing and Attribute flow management.
* Identity Provisioning and Management.
* Password Synchronization - Password Change Notification Service.
* Installation and Troubleshooting Directory Sync tools (DirSync, AD connect)
* Office 365 Identity Management (Users, Domains, Licensing)
* Microsoft Azure cloud services.
* Configuring Azure AD SSO.
* Installation and Configuring Software IDM.
* Azure IDaaS
* Deployment and management of Azure IaaS.
* Advanced Rules Extensions development
* Provisioning and Deprovisioning project development.

**Privileged Access Security:**

* CyberArk privileged access Security deployment
* Installation, Configuration & Management of PSM
* Installation, Configuration & Management of CyberArk Vault
* Installation, Configuration & Management of CPM
* Securing SSH Keys, Privileged Accounts with CyberArk.
* Component Hardening (Vault, PSM, PVWA)
* Vault Integration with HSM’s.
* Managing Safes, accounts & platforms
* DR Strategy designing and deployment
* Authentication Designing with CyberArk.

**Certifications:**

* **Microsoft Certified** [**Azure Solutions Architect Expert**](https://docs.microsoft.com/en-us/learn/certifications/azure-solutions-architect/) **(AZ-303, AZ-304)**
* **Microsoft Certified Azure Administrator (AZ-104)**
* **ITIL v3 Foundation Certified.**
* **CyberArk Trustee, Defender, Sentry**
* **Microsoft Certified Professional**

**Programing Languages:**

* **Advanced PowerShell Scripting**
* **.Net\C#, SQL, JSON**
* **Web App Development with HTML, CSS, JavaScript, Boot Strap**

**Secondary Technologies & Tools:**

* Microsoft Exchange
* SQL Server
* SharePoint

**Education:**

* 2009-2012: B.Sc. (Hons) from Hansraj College, Delhi university
* 2008-2009: 12th in Sciences with First Division (82%) from CBSE Board.
* 2006-2007: 10th With First Division (77%) from CBSE Board.

**Personal Information:**

* Father’s Name : Anil Tyagi
* Date of Birth : 14th September, 1991
* Gender : Male
* Marital Status : Married
* Residence : New Delhi, India