



**BHADALE GROUP OF COMPANIES
- IT AND REAL ESTATE**



Apr 28 2021

Technology Ecosystem for Azure Catalogue

Bhadale IT Developers Pvt.Ltd

105 Kingswood Drive Brampton, ON L6V 2X5, Canada | Website: <https://www.bhadaleit.com>

Bhadale Group of Companies

Bhadale Group of Companies consists of Bhadale IT Developers Pvt. Ltd and Bhadale Real Estate Developers Pvt Ltd.

1. **Bhadale IT Developers Pvt. Ltd** is an IT and Computer Engineering company

This company provides consultation in areas of cutting edge technologies, research outsourcing, and software consultation related to data center and related engineering practices

2. **Bhadale Real Estate Developers Pvt. Ltd** is a Real estate company

This company provides development of Infrastructure for IT Datacenter and allied sectors. It manages the engineering design, landscaping, civil architecture, presently serving internal projects.

Bhadale Group of Companies has aggressive programs in place to serve the niche market.

Bhadale IT Developers Pvt. Ltd Programs and Services**IT Division programs**

- 1 Cloud Architecture
- 2 AI
- 3 Digital
- 4 Automation
- 5 R&D services
- 6 Engineering services
- 7 Mentoring Services
- 8 Data center services
- 9 Outsourcing

There are various services offered under each program, details are described below

IT Division program related services**Cloud Architecture**

- Cloud Enterprise Architecture
- Cloud Business Architecture
- Cloud Information / Website data Architecture
- Cloud Solution Architecture
- Data center Virtualization and Cloud services (IaaS)
- Cloud Technical Architecture – Project specific
- Cloud ERP Solutions (SaaS, PaaS)
- Cloud Strategy and Transformation
- Cloud Systems Integration and consolidation
- Cloud Project Management
- Cloud Pre sales support
- Business Needs (RFI/RFQ/RFP assistance)
- Cloud Quality Initiatives

- Cloud Business Analysis
- Cloud Infrastructure Planning – hardware , network, storage , backup (IaaS, PaaS)
- Cloud business portfolio assessment services (workshops)

AI

- Artificial intelligence and advanced machine learning
- Intelligent applications, Intelligent things
- Conversational systems
- Mesh app and service architecture
- Adaptive security architecture

Digital

- Virtual reality and augmented reality: Brief capability, deliverables and service offering
- Digital twins
- Blockchains and distributed ledgers
- Digital technology platforms

Automation

- Robotic Process Automation
- IoT
- Manufacturing robots
- BPO call center robots
- Chatbots
- Remote workers
- Hazardous jobs robots(Mine bombs, nuclear waste, underwater, space etc)

R&D services

- PHD mentor, buddy
- BPO - Outsourced work in areas of research areas related to IT and Computer Engineering

Engineering services (Only Engg)

- Engineering services for Data centers
- Engineering services for IT Departments
- Engineering architectures, drawings, road ways, town house planning, parking, safety, outdoor maintenance, lighting etc
- All other aspects of engineering: Civil, electrical, water and sewage, safety and mechanical motors, pumps, refrigeration, cooling

Mentoring Services

- IT Mentoring
- Engineering Mentoring
- Business Mentoring
- Mentoring for special categories based on age, and disabled
- Mentoring for special professionals like Military and Govt officials under Govt Programs

Data center services (Engg + IT)

- Data center Engineering services
- Data Center IT Services
- Data center Security services
- Data Center QA services
- Datacenter Cloud services
- Datacenter compliances services
- Data center based business solutions

Outsourcing

- Insourcing
- Outsourcing
- Near sourcing
- Cloud sourcing
- BPO services
- IT specific services
- Engineering specific services
- Training specific services

Our Technology Ecosystem for Azure



Image courtesy (The Web), no intention for copyright infringement

We have a large set of tools and solutions; few are mentioned below with details tabulated

Azure Product Name	Azure Product /tool details	Usage / Use case / ecosystem/ value adds
AI + Machine Learning	Anomaly Detector	We offer a wide range of AI based services using Microsoft Azure. Backed by 10+ years of experience in .Net and Azure Technologies, our engineers deliver services that is just the right one for your requirements
	Azure Bot Services	
	Azure Cognitive Search	
	Azure Databricks	We offer AI based services for various use cases, industrial verticals and technology related horizontal solutions. We leverage upon the Azure Machine Learning, Azure Databricks and ONNX Runtime, design cloud search service with built-in AI capabilities, to discover patterns and relationships in your content, understand sentiment, extract key phrases , domain specific pre-trained AI models
	Azure Machine Learning	
	Azure Open Datasets	
	Azure Cognitive Services	
	Computer Vision	
	Content Moderator	We offer design, development, testing and integration of various AI/ML based workflows, out-of-the-box AI/ML algorithms and custom tailored algorithms that can help you use transfer learning of popular pre-trained models that reduce your training time. We offer various solutions using Deep learning , reinforced learning and various boosting algorithms that enable you to get the best optimal solution, and performance
	Custom Vision	
	Data Science Virtual Machines	
	Face	
	Form Recogniser	
	Immersive Reader	We offer various standard AI /ML templates, workflows to start with that help you reduce your time to market of your products
	Kinect DK	
	Language Understanding	
	Microsoft Genomics	
	Personaliser	
	Project Bonsai Preview	
	QnA Maker	
	Speaker Recognition	
	Preview	
	Speech to Text	
	Speech Translation	
	Text Analytics	

	Text to Speech Translator Video Indexer Metrics Advisor Preview Health Bot Azure Percept Preview	
Analytics	Azure Analysis Services Azure Data Explorer Azure Data Lake Storage Azure Data Share Azure Databricks Azure Stream Analytics Azure Synapse Analytics Data Catalog Azure Data Factory Data Lake Analytics Event Hubs HDInsight Log Analytics Power BI Embedded R Server for HDInsight Azure Purview Preview Microsoft Graph Data Connect Preview	<p>We offer various Analytical solutions using Azure. We offer design, development of analytical architecture for various use cases like data lake, data warehouse, real time analytics and a complete data factory. We use AI / ML to develop enterprise, edge and fog level analytics for near real time analytics</p> <p>We use Azure based Apache® Spark™ based analytics platform, cloud Hadoop and Spark service, analytics engine as a service, hyper-scale telemetry ingestion service, and End-to-end IoT analytics platform</p> <p>We offer various data preparation, wrangling, staging, transformation, migration, and enriching using various features and MDM. This enables you to focus on your core business and allow us to take care of the technology, cloud enablement and all the ingestion, integration, and preparing the data for accurate analytics</p>
Blockchain	Azure Blockchain Service Preview Azure Blockchain Workbench Preview Azure Cosmos DB Azure Logic Apps	<p>We offer Blockchain services for both financial and non financial transactions. We use Blockchain technology to build trust with your clients, your products by offering the “Proof of work” for all the transactions. We offer customization of block chain ciphers, cryptography, immutable versioned block that are securely hosted in suitable safe registries as per client needs either in premise or in the cloud.</p> <p>With Azure Blockchain Workbench, we configure and deploy a consortium network. We manage the entire operations right from dev/test, deploy stages using Blockchain Workbench's automatic ledger deployment, network construction and pre-built blockchain commands.</p> <p>We offer Azure services to ingest the messages and events required to trigger your smart contracts with Service Bus and Event Hubs. We offer integration of blockchain workflows with existing systems and applications leveraging Microsoft Flow and Logic Apps. We extend capabilities with a REST-based API for client development and a message-based API for system-to-system integration</p>
Compute	API Apps App Service Azure CycleCloud	<p>Azure compute provides the infrastructure you need to run your apps. We enable you to tap in to the compute capacity in the cloud and scale on demand. We containerize your applications, deploy Windows and Linux</p>

	<p>Azure Functions</p> <p>Azure Kubernetes Service (AKS)</p> <p>Azure Quantum Preview</p> <p>Azure Spring Cloud</p> <p>Azure VMware Solution</p> <p>Batch</p> <p>Cloud Services</p> <p>Container Instances</p> <p>Linux Virtual Machines</p> <p>Mobile Apps</p> <p>Service Fabric</p> <p>SQL Server on Virtual Machines</p> <p>Static Web Apps Preview</p> <p>Virtual Machine Scale Sets</p> <p>Virtual Machines</p> <p>Web Apps</p> <p>Windows Virtual Desktop</p> <p>Azure Dedicated Host</p>	<p>virtual machines (VMs) and assist you to take advantage of flexible options for migrating VMs to Azure.</p> <p>With comprehensive support for hybrid environments, We enable you to deploy anywhere and anytime. We offer Azure compute full-fledged identity solution, so that you can gain managed end-point protection and Active Directory support, We design and develop microservices and orchestrate containers on Windows and Linux</p>
Containers	<p>API Apps</p> <p>Azure Functions</p> <p>Azure Kubernetes Service (AKS)</p> <p>Azure Red Hat OpenShift</p> <p>Container Instances</p> <p>Container Registry</p> <p>Mobile Apps</p> <p>Service Fabric</p> <p>Web App for Containers</p> <p>Web Apps</p>	<p>We offer Azure managed container services using Windows Container, Docker and Kubernetes. We offer integrated solution that work well with the Azure cloud, APIs, network and open sources.</p> <p>We design, develop, test and deploy your containerized applications. We manage containers at scale with a fully managed Kubernetes container orchestration service that integrates with Azure Active Directory. We offer services for you to run a fully managed OpenShift clusters, jointly operated with Red Hat</p>
Databases	<p>Azure API for FHIR</p> <p>Azure Cache for Redis</p> <p>Azure Cosmos DB</p> <p>Azure Database for - MariaDB</p> <p>Azure Database for MySQL</p> <p>Azure Database for - PostgreSQL</p> <p>Azure Database Migration Service</p> <p>Azure SQL</p> <p>Azure SQL Database</p> <p>Azure SQL Edge</p> <p>Azure SQL Managed - Instance</p> <p>SQL Server on Virtual-Machines</p>	<p>We offer an extensive offering in areas of Azure DB technologies. We offer design, development, testing, management deployment and operations of the wide range of Sql, NoSql, datawarehouse, datalakes, in-memory caching, Document DB, OO DB, Graph DB and many more features in migrating in-premise/ legacy data into Azure Sql databases</p> <p>We help you in building modern cloud applications with an always up-to-date relational database service that includes serverless compute, hyperscale storage and AI-powered and automated features</p> <p>We offer you to consolidate, rationalize, create MDM modules that need better design and cloud native performances</p> <p>We manage you modernization of existing Cassandra data clusters and apps to Azure cloud</p>

	Table Storage Azure Managed Instance - for Apache Cassandra Preview	
Developer Tools	App Configuration Azure DevOps Azure DevTest Labs Azure Lab Services Azure Pipelines SDKs Visual Studio Visual Studio Code	<p>We offer wide range of development services for your projects using Microsoft platforms and tools.</p> <p>For the Azure cloud we offer full VS Enterprise Editor and light weight VS Code edition based project implementations. We offer services for macOS, Linux and Windows environments. We design virtual environments, bootstrap required cloud instances for deploying Node.js and Java apps to the cloud. We develop serverless computing, containers and managed Web Apps that enable you to become more productive</p> <p>We use language-specific SDKs and tools for your platform of choice, including .NET, Java, Node.js, Python and Go</p> <p>We help you reuse tools such as Eclipse, IntelliJ and Maven to develop Azure apps</p>
DevOps	Azure Artifacts Azure Boards Azure DevOps Azure DevTest Labs Azure Monitor Azure Pipelines Azure Repos Azure Test Plans DevOps tool integrations	<p>We offer development operations right from concept, planning, design, implement, deploy and operations.</p> <p>We build an end-to-end continuous delivery pipeline with Azure DevOps technologies. We enable automatic build, test, distribute, deploy and monitor iOS, Android, Windows and macOS apps—all in one place</p>
Hybrid + Multicloud	Azure Active Directory Azure Arc Azure Database for PostgreSQL Azure DevOps Azure ExpressRoute Azure IoT Edge Azure Sentinel Azure SQL Database Azure SQL Edge Azure Stack Security Center Azure Stack HCI Azure Stack Hub Azure Stack Edge Azure Modular Datacenter	<p>We offer solutions to various combinational scenarios that are based on hybrid cloud (public & private cloud) and multi cloud (multiple vendors based)</p> <p>We offer Azure Arc, Azure Stack, Azure Stack Hub that allow flexibility, scalability and cloud performance. We design infrastructure for highly available virtualized and containerized workloads in remote office/branch office (ROBO) scenarios. We use Azure Active Directory (Azure AD), a cloud-based multitenant directory and identity service, to provide cloud-based identity authentication, SSO and end point security without the need for elaborate DMZ or physical firewalls</p>

Identity	<p>Azure Active Directory</p> <p>Azure Active Directory - Domain Services</p> <p>Azure Information Protection</p> <p>Azure Active Directory - External Identities</p>	<p>We take your Identity and access management seriously. We use industry best practices and standards from CEH, CISSP, CISA and ISO, NIST frameworks</p> <p>We design solutions that integrate well without any gaps to protect your applications and data at the front gate with Azure identity and access management solutions. We defend against malicious login attempts and safeguard credentials with risk-based access controls, identity protection tools and strong authentication options</p>
Integration	<p>API Management</p> <p>Azure API for FHIR</p> <p>Event Grid</p> <p>Azure Logic Apps</p> <p>Service Bus</p>	<p>We offer rich integration features and functions using various Azure and .Net tools like Service Bus, Service Fabric, BizTalk, SSIS and WCF for existing apps</p> <p>We design and develop workflows/ schemas and orchestrations for business processes to connect hundreds of services in the cloud and on-premises using Logic Apps. We offer PaaS and SaaS level integration and logical routers that bind to various protocols.</p> <p>We design visually rich entities that integrate data sources to construct ETL and ELT processes and accelerate data transformation, using Azure Data Factory. We seamlessly integrate your on-premises applications, data and processes across your enterprise with BizTalk Server</p>
Internet of Things	<p>API Management</p> <p>Azure Cosmos DB</p> <p>Azure Digital Twins</p> <p>Azure Functions</p> <p>Azure IoT Central</p> <p>Azure IoT Edge</p> <p>Azure IoT Hub</p> <p>Azure IoT solution - accelerators</p> <p>Azure Machine Learning</p> <p>Azure Maps</p> <p>Azure RTOS</p> <p>Azure Sphere</p> <p>Azure SQL Edge</p> <p>Azure Stream Analytics</p> <p>Azure Time Series Insights</p> <p>Event Grid</p> <p>Kinect DK</p> <p>Azure Logic Apps</p> <p>Notification Hubs</p> <p>Windows 10 IoT Core - Services</p> <p>Azure Defender for IoT</p> <p>Azure Percept Preview</p>	<p>We offer Azure IoT Hub and Azure Digital Twins to provide the building blocks for companies to construct customised solutions for complex IoT scenarios.</p> <p>Input from IoT and business systems to connect assets, including IoT devices, using Azure IoT Hub, Logic Apps and REST APIs</p>

Management and Governance	Automation Azure Advisor Azure Backup Azure Blueprints Preview Azure Lighthouse Azure Managed - Applications Azure Migrate Azure mobile app Azure Monitor Azure Policy Azure Resource Manager Azure Resource Manager - templates Azure Service Health Azure Site Recovery Cloud Shell Azure Cost Management - and Billing Log Analytics Microsoft Azure portal Network Watcher Traffic Manager Azure Automanage Preview Azure Resource Mover Azure Purview Preview	<p>We offer wide range of tools for management of your projects, cloud assets, resources, billing, budgeting, monitoring, MIS reports, dashboards, intelligent advisors, and incident management. We offer integration with governance tools like ITIL, COBIT, PMI processes, and various enterprise related products that enable better auditing, control and operations</p> <p>We customize the built-in Azure management and governance tools that help your system administrators and developers keep your resources secure and compliant, both on-premises and in the cloud. We enable you to monitor infrastructure and applications, provision and configure resources, update apps, analyse threats, backup resources, build disaster recovery, apply policies, automate processes and manage costs—throughout your IT lifecycle.</p>
Media	Azure Media Player Content Delivery Network Content Protection Encoding Live and On-Demand Streaming Live Video Analytics Preview Media Services Video Indexer	<p>We offer studio grade media services that enable you to offer real time, non-interrupted services to your audience worldwide.</p> <p>Ensure secure, reliable content delivery with broad global reach, encode, store, and stream video and audio at scale</p>
Migration	Azure Database Migration Service Azure Migrate Azure Site Recovery Azure Cost Management and Billing Azure Data Box	<p>We offer services that are real-time, batched, reliable, bulk upload, snapshots, database dumps , scripts transfers, consolidation, staged migrations to various targets as per cloud fitment</p> <p>We offer various tools like Microsoft Azure migration with SMART—the Strategic Migration Assessment and Readiness Tool, assessment tools, Cloud readiness tools, storage requirements, server type, computing needs.</p> <p>We make your life easy by moving on-premises Windows and Linux distributions to Azure without impacting your business. We onboard</p>

		<p>VMware environments to Azure with Azure VMware Solution.</p> <p>We enable you to run your midrange and mainframe applications in Azure.</p>
Mixed Reality	<p>Azure Digital Twins</p> <p>Kinect DK</p> <p>Azure Remote Rendering</p> <p>Spatial Anchors</p> <p>Object Anchors Preview</p>	<p>We offer mixed reality solutions wherein, digital information is represented by holograms—objects made of light and sound—that appear in the space around you. Through artificial intelligence, we enable these holograms respond to commands and interact with real-world surfaces in real time for a more natural and intuitive experience.</p> <p>With HoloLens 2 and Azure Kinect DK, our best depth sensors and computer vision are at your fingertips, so you can build for your most critical scenarios</p>
Mobile	<p>API Management</p> <p>App Service</p> <p>Azure Cognitive Search</p> <p>Azure Maps</p> <p>Azure Cognitive Services</p> <p>Notification Hubs</p> <p>Spatial Anchors</p> <p>Visual Studio App Centre</p> <p>Xamarin</p> <p>Azure Communication Services</p>	<p>We offer various types of mobile services like design, development that really work in various form factors of mobiles.</p> <p>We help you quickly create high-quality apps for systems like Android, iOS, Xamarin, React Native, Unity and Cordova. We help you to Integrate globally scalable backend services with just a few lines of code. We design maps, searches, routing and traffic capabilities to your apps with Azure geospatial services</p>
Networking	<p>Application Gateway</p> <p>Azure Bastion</p> <p>Azure DDoS Protection</p> <p>Azure DNS</p> <p>Azure ExpressRoute</p> <p>Azure Firewall</p> <p>Load Balancing</p> <p>Azure Firewall Manager</p> <p>Azure Front Door</p> <p>Azure Internet Analyzer - Preview</p> <p>Azure Private Link</p> <p>Content Delivery Network</p> <p>Network Watcher</p> <p>Traffic Manager</p> <p>Virtual Network</p> <p>Virtual WAN</p> <p>VPN Gateway</p> <p>Web Application Firewall</p> <p>Azure Orbital Preview</p> <p>Azure Route Server – Preview</p>	<p>We offer various services related to Azure networking , includes design of private networks, subnets/ masks, static and dynamic IP allocations</p> <p>We offer designs that deliver predictable, low-latency performance for your applications as the traffic stays on the Microsoft global network by default (cold potato routing). We offer protection of your applications, virtual networks and workloads with services that support the Zero Trust approach to security.</p> <p>We connect your on-premises, multi-cloud and branch deployments using Azure Virtual WAN . We enable edge and 5G scenarios with Azure Edge Zones, Azure Edge Zones with carrier or Azure Private Edge Zones</p>

Security	<ul style="list-style-type: none"> Application Gateway Azure Active Directory Azure Active Directory Domain Services Azure Defender Azure DDoS Protection Azure Dedicated HSM Azure Front Door Azure Information - Protection Azure Sentinel Key Vault Security Center VPN Gateway Web Application Firewall Azure Defender for IoT Microsoft Azure – Attestation 	<p>We offer various security services that enable safety of your assets, equipments and resources. We enable security features and harden the systems at all level right from hardware, firmware, operating system, virtual level, networks, apps, and code levels.</p> <p>We offer unified security management and advanced threat protection for workloads in the cloud and on-premises in all types of models be it public, private, hybrid, IaaS, PaaS or SaaS</p>
Storage	<ul style="list-style-type: none"> Archive Storage Azure vFXT for Azure Azure Backup Azure Data Lake Storage Azure Data Share Azure Files Azure FXT Edge Filer Azure HPC Cache Azure NetApp Files Azure Blob Storage Azure Data Box Azure Disk Storage Queue Storage Storage Accounts Storage Explorer StorSimple 	<p>We offer various tiered storage solutions from cold, warm and hot storage based on need. We offer optimized solutions that offer the best performance at various stages and phases of your needs</p> <p>We offer massively scalable and secure object storage for cloud-native workloads, archives, data lakes, high-performance computing and machine learning. We leverage upon the Azure approved enterprise file storage, powered by NetApp</p>
Web	<ul style="list-style-type: none"> API Apps API Management App Service Azure Cognitive Search Azure Maps Azure SignalR Service Azure Spring Cloud Content Delivery Network Mobile Apps Notification Hubs Static Web Apps Preview Web App for Containers Web Apps 	<p>We develop and deploy web apps at any scale using .Net Core, Java, Docker, Node.js using various languages like C#, F#, Python, Go , Sql etc</p> <p>Add real-time functionality to your web app, such as chat room, co-authoring, live dashboard and instant broadcasting using SignalR. We offer various roles in cloud that enables better handling of short and long term tasks, handle real-time and batch operations that can be cached at various levels like compute nodes, storage nodes, network nodes, and edge nodes. This enables faster and easier retrievals for quick webpage responses</p>

	Azure Communication-Services	
Windows Virtual Desktop	Windows Virtual Desktop VMware Horizon Cloud on-Microsoft Azure Citrix Virtual Apps and - Desktops for Azure	Our virtualization solutions will help reach your desktop, with virtualized desktops, allowing you to make best use of your available resources We offer services to provision Windows desktops and apps with VMware and Windows Virtual Desktop, provision Windows desktops and apps on Azure with Citrix and Windows Virtual Desktop
Azure Partner products/solutions	Trend Micro, Informatica, NetApp, Dell-EMC, Cisco, Nokia, SAP.	We offer partner solutions for horizontal and vertical markets like Trend Micro Cloud App Security , data mobility, firewalls, project management, agility, enterprise frameworks and many more
Industrial standards, QA frameworks, Open standards	IEEE, NIST, Robotics	We offer AWS solutions that use AWS and partner solutions for various segments like Engineering, IoT, Computer aided engineering and design (CAE/CAD)
Our unique products – customized to Azure	Selector GUI, estimations, work break downs	We offer our in-house home grown tools, selector GUI, estimations, engineering skills, knowledge base and many tailored made catalogues and solutions We offer our AWS specific project roles & services, our AWS modernization ecosystem, and our AWS Research ecosystem
Azure project management / processes	PMI based	We offer management skills that are in-line to the market needs, offered by certified management graduates
Our Azure packages for various use cases , domains and common issues	Various industrial sectors for horizontal and verticals	We offer unique solutions that allow our clients to migrate to a better platform that might not always be a cheap one, however offer the best of breed solutions, engineers and managers

Disclaimer: Few product details are sourced, from the web; we have no intention to infringe any text or web content.

We are using this for illustration purpose only

For more details, contact below:

Contact

Bhadale IT Pvt. Ltd

Program Manager: Vijay Mohire; Email: vijaymohire@gmail.com