



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



Nov 24 2018

Data Science Services Catalogue- Detailed

Bhadale IT Developers Pvt. Ltd | Bhadale Real Estate Developers Pvt. Ltd (registration due)

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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

Service details for Bhadale IT Developers Pvt. Ltd

IT Division programs - Data Science

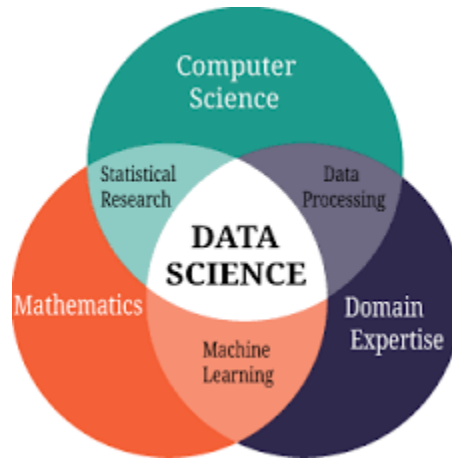


Image Courtesy: The web

CATALOG OF Data Science services - generic offerings for cloud based services

Service No	Service Name	Services offered
1	Data Science Enterprise Architecture for Microsoft Azure / AWS	<p>Partner with clients to understand their needs in all aspects of project and program requirements for Big Data Practice.</p> <p>Analysis of your needs for a Data Science team that can work in-house at your premise. Analysis of the fitment of the new members based on your short and long term needs. Matching available profiles to your needs. Technical aspect is key focus rather than other on boarding, visa sponsorship offerings.</p> <p>We offer a range of models / frameworks, for setting up Data Science practice tailored to key products, landscape, ecosystem and existing licenses. We offer training and certification for professionals to meet Azure or AWS partner requirements.</p> <p>Our services include analysis of your Data Science Enterprise needs (specific to IT, Computer Engineering & related services) like assessment of existing assets/ inventory/ tools and paths for migration to cloud and digital platform that are well integrated with public/ private and hybrid cloud.</p> <p>We offer unique in person meetings, workshops, chalk out road maps, introduce you to the local Microsoft or Amazon engagement manager and help you in setting up the infrastructure , program and project entities</p> <p>We have recently served clients in North America as a resident and helped them in-</p>

		house which lead to reduced time gap, travel costs and cultural issues
2	Data Science Infrastructure Architecture for Microsoft Azure / AWS	<p>Hyper-V, Containers, Desktop/ Network, & Storage virtualizations</p> <p>Provide onsite customer virtualization assessments for Cloud Computing framework (IaaS & PaaS integration) and deployment models (Private, Public, and Virtual Private), of Data Science assets, files, folders, databases</p> <p>Design and implementation of customized infrastructure solutions (for handling Big data, Hi-availability, massively parallel processing) for customers in the Data Center, Desktop, Mobile and in the Cloud using various offerings from Microsoft / AWS and alliance partners like Intel motherboards / Snapdragon AI platform for AI workload processing in Windows/Linux and Android OS.</p> <p>Develop solutions for data protection, disaster recovery, and BCP and application requirements that provide required level of isolation, security, performance, availability and good integration with OS variants, Kernels, Linux, Java, Python and X-plat commands that work well. Automation using worker roles, schedulers, garbage collectors, snapshot, backups & scripts.</p> <p>Generate infrastructure platform for project deployment to various target locations, client premises and autonomous remote robots.</p> <p>Develop guidelines and upgrade techniques for new operational procedures for the support of databases, hardware systems, operating systems software, network systems software, security and client-server/ tenant systems. This will involve use of latest software, servers, SDK and prototypes for your DevOps.</p>
3	Data Science Solution Architecture for Microsoft Azure / AWS	<p>Data Science Solutions as per your business needs</p> <p>Leverage the overall enterprise Data Science vision in designing the projected solution and transforming that vision through execution into the programs / project work packages. Re organize solution bundles, develop alternate solutions based on industry frameworks, Cloud frameworks, IDE, Integrations, API support, HPC and Data center hosting plans</p> <p>Provide cross-domain, cross-functional and cross-industry expertise on various technologies to fulfill the Data Science solution stack needs as per Azure/ AWS alliance / partner solution offerings</p> <p>Model the hi-level conceptual, logical, physical and deployment components as solution bundles (main and alternate); showcase the ROI in each case. Offer the ecosystem for AI / ML Data science modules like Data cleansing, Data prep, Model generations, model developers, model deployments, clusters , managers like Kubernetes, Docker containers and Windows 10 operating system,</p> <p>Retain clear boundaries for various models, layers, deployments, service offerings, tenant subscription models, SLA and business needs of the horizontal or vertical units of the client operations. Map solutions to business use cases and</p>

		<p>requirements to retain the traceability and manageability of the various life cycles, TCO and OPEX.</p> <p>Design Big Data components that will be used to implement the required Data Science capability, KPIs, SLA, functional, non-functional metrics based on Azure solutions guidance documents</p>
4	Data Science Technical Architecture – Project specific for Azure / AWS	<p>Best practices , design patterns based on MSDN / AWS documentation</p> <p>Analyze system, application, business, data tier requirements; gap fit analysis for functional and non-functional requirements; update existing systems, solution components to fulfill the exact needs and the meets Azure specifications.</p> <p>Define taxonomy/ data dictionary of platform services (PaaS & SaaS) and logical technology components (including standards); MDM, refine the taxonomy; mapping product technical specifications to project; determine configuration of the selected technology. Apply the Azure entities to the projects entities like MVC pages, ER diagrams, Cortina Intelligence, Provide Azure portal blade level settings, shell commands, web/worker roles, service bus/ fabric, network settings, IP Config, gateway config etc , EC2 Data Buckets, Sagemaker components, NLP components mappings, configuration, model generation entities, deployment settings for DevOps,</p> <p>Identify relevant applications/ tiers where Azure/ AWS technology is to be applied; carry out a physical inventory to fit into the taxonomy of the projects and tenants</p> <p>Provide technical guidance for sizing and costing, capacity planning, installation/governance/migration impacts, performance, maintainability and availability as per SLA/OLA needs, metering, billing and other cloud specific operations</p> <p>Work on the DevOps requirements, integrate with TFS, external repositories, Monitoring SCCM, SCOM, Datacenter control panels, Insights, logging, backup, disaster recovery configuration settings, and many more features as required to fulfill the requirements</p>
5	Data Science Project Management for Azure / AWS	<p>Agile, TFS, Scrum templates, & PMP based techniques</p> <p>Azure/AWS management practice setup: Cloud PMO, Agile cloud, Devops, Disaster recovery, BCP, Industry STDs, Compliance, Audit, Governance, Corporate matters</p> <p>Azure/AWS Project /Program development, agile management and integrate with cloud operations on a 24x7, 365 with 99.99% availability models.</p> <p>Design Azure/ AWS project scope(webapps, mobile apps, hybrid apps, Azure stack, various other tools like Eclipse/Visual studio/GitHub projects), track goals and deliverables; define project tasks and resource requirements; manage project budget;</p> <p>Define newer cloud roles, train the staff, knowledge transfer of the new roles, jobs</p>

		<p>they manage and transition plans to move to cloud models and operations management as related to DevOps, use of Github, repositories, dev/test/prod environments, work estimates/ schedules, deliverables, milestones, Gantt charts, agile entities like sprint backlog, burn charts, daily meetups, min. viable deliverables, client approvals, meetings, etc.</p> <p>Planning, executing and oversight of projects that may be within company, external vendors premises and other onsite/offshore model of engagement; reducing risks of dependency, non-competent staff, non-confirming standards, approvals from auditors, gated verifications, validations and approvals from seniors and peers.</p> <p>Respond to changes to identify alternate suppliers, reassign personnel, or cut the budget in other areas to compensate for cost overruns. Track using PMP tools, submit reports, weekly, quarterly, regular ones and any shop-stopper concerns and red flags like hot spots in monitoring tools, overruns in budgets, staff, idling etc</p> <p>Generate project estimates, schedules, deliverables, critical path, root cause analysis, defect tracking and resolutions as per CMM and Azure project templates. Design an integrated view of all the DevOps, managerial, architectures and client views of the project/program to enable better satisfaction as per quality and cost provided.</p>
6	Data Science Quality Initiatives for Azure	<p>SLA, OLA, performance, cost optimizations, Corporate standards, ethics, & values</p> <p>Help you to mature across your Data Science cloud offerings based on selective alignments to industry models, standards that best suit your clients, target groups that help you have an edge. Few quality assessments are for ISO, CMMI, Cloud-Alliance quality certifications, Datacenter Quality certifications.</p> <p>Help you in brand building your cloud offerings, sales, marketing, international presence, offshore venturing, office setup in free trade zones free trade zones as per cost-quality comparison.</p> <p>Identify quality courses, training for staff, custom content to suite your tools, domain and material from Microsoft/ AWS and alliance partners. We will map the quality processes into your corporate documents and into the skill sets of your employees that help you adapt quickly to the quality standards. We offer measurements workshops and sandbox prototype testing before a change request is injected into production. This helps avoid major mishaps, bugs and wrong code getting into production environment.</p> <p>Onsite visits, training, site inspection, meeting, audits, based on the requirements and certifications. We have highly educated professional licensed engineers who provide quality initiatives right from base foundation/plant layout, data center structures, civil works, amenities, IT safety, business continuity, documentation and place you high in the quality maturity index for your services. We boast of having a team of Chartered Engineers and Fellow from reputed societies like Engineers Australia and Engineers Canada</p> <p>Assist staff to get certified in cloud papers, ISO quality initiatives and other exams by way of boot camps, training workshops, in house trainings, offering your apprenticeships at client locations where they have successfully implemented our</p>

		offerings.
7	Data Science Business Analysis for Azure	<p>Analysis as per BABOK and Microsoft analysis guidance / partner tools for BA</p> <p>Analysis to retain, migrate, sunset assets, new developments for your business to move to cloud models. This will include workshops and interactive Q&A and short listing of the key business needs, redundant services, and brings up newer and better ideas of injecting innovative and fresh offerings into your service portfolio that will make your business better.</p> <p>Elicit Data Science requirements(models, landscapes, costs, GUI, IP, Security) using interviews, document analysis, requirements workshops, surveys, site visits, business process descriptions, use cases, scenarios, business analysis, and workflow analysis. Assist upper management to get an insight of the existing business processes, offerings and mode of deliverables from your service offerings.</p> <p>Critically evaluate information gathered from multiple sources, reconcile conflicts, decompose high-level information into details, and capture them as needed by BABOK in Business Analysis / Requirements documents. Develop a change management, gated, validation and verification process of the work under scope and provide the impact analysis from the desired change.</p> <p>Mapping the business processes to the Data Science business models of IaaS, PaaS, SaaS and various tiers like Application, Business, Database for multi-tier distributed service offerings.</p> <p>Business Impact analysis, Capex, OpEx, ROI, Cash flows, Feature-Benefits models to help business improve the insights, be agile and adopt Azure/ AWS cloud.</p> <p>Develop a database of working corporate assets / documents regarding the business, its offerings and processes and subject these to quality programs as needed to ensure best outcomes with least investments and reduced supply chains is possible. Injection of automation, AI/ML and use of software to detect anomalies, wastage, idling and processes that are adding little value.</p>
8	Data Science business portfolio assessment services (workshops) for Azure / AWS	<p>Assess, enrich and support your portfolio of services as related to Azure/ AWS and allied technologies</p> <p>Workshops to show the investments ROI, Opex, Cap ex, for you to start looking at the available options, models, financing /purchasing/ leasing terms . We help you in subjecting your existing models, methodologies and awareness to the requirements of Azure, its offerings and what to expect from adapting Azure/ AWS in your corporate.</p> <p>Along with business analysis, we help you to get closer to the working business models as offered by Azure/ AWS.</p> <p>We develop proof of concepts with selected partners to show you how your new</p>

		<p>environment looks and which models that offer you the best results for the investments you plan to make.</p> <p>Work with stakeholders to develop a portfolio management governance process that is well integrated into other IT processes.</p> <p>Provide recommendations related to changes needed in the functional unit, governance model or changing the value chain process to ensure best results</p>
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For further details please contact

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