BHADALE GROUP OF COMPANIES - IT AND REAL ESTATE

Apr 21 2021

Technology Ecosystem for GCP Catalogue

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 specials 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 Pvt. Ltd

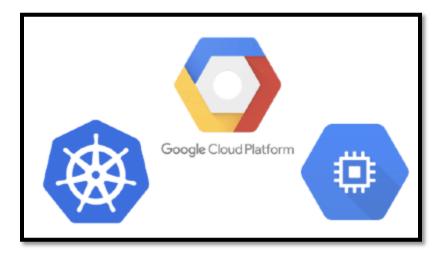**Our Technology Ecosystem for GCP**

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

GCP Product Category	GCP Product /tool details	Usage / Use case / ecosystem/ value adds
Artificial intelligence & machine learning	AI building blocks, AutoML, Cloud TPU, Media translation (beta), Diagflow Enterprise Edition, Cloud Natural Language, Speech-to-Text, Text-to-Speech, Translation, Vision AI, Video AI, Cloud Inference API (alpha), and more	We offer AI solutions with GCP AI Platform, with various offerings like (i) manage image, video, text, and tabular datasets and associated labels, (ii) build machine learning pipelines to train and evaluate models using Google Cloud algorithms or custom training code, and (iii) deploy models for online or batch use cases all on scalable managed infrastructure including additional discovery points and API endpoints for AI Platform Data Labeling, AI Platform Notebooks, AI Platform Training and Prediction, AutoML Natural Language, AutoML Video, AutoML Vision, AutoML Tables, and AI Platform Deep Learning Containers
API management	API Analytics, API Monetization, Cloud Endpoints, Developer Portal, Cloud Healthcare API, and more	We offer tailored GCP Apigee solutions, that is a full-lifecycle API management platform that lets customers design, secure, analyze, and scale APIs, giving them visibility and control. We offer Apigee for various use case, vertical solutions which is a fully-managed service by GCP. We design solutions using various types like Apigee hybrid, a hybrid model that's partially hosted and managed by the customer, or Apigee Private Cloud, an entirely customer hosted Premium Software solution
Compute	Compute Engine, Shielded VMs, Bare Metal, Cloud Run, App Engine, Cloud Functions, Cloud GPU, and	We offer IaaS and PaaS solutions using App Engine, Compute Engine and managed VMware-as-a-Service We design compute instances that closely meet your use case

	more	requirements and offer tailored performance related metrics fine tuning that enables your projects get the best and most optimal performance .
Containers	Artifact Registry, Cloud Build, Container Registry, Container Security, Google Kubernetes Engine, and more	We design containers (Docker and Kubernetes based) for all types of systems and machine images. We offer GCP registry design for managing container images and packages and a private Docker image storage. We offer build solutions that use Cloud Build which can import source code from Cloud Storage, Cloud Source Repositories, GitHub, or Bitbucket
Data analytics	BigQuery, Dataflow, Dataproc, Dataflow, Dataprep, Cloud Composer, and more	We offer design solutions for fully managed data analysis service that enables businesses to analyze Big Data. We assist you in integrating managed workflow orchestration service that can be used to author, schedule, and monitor pipelines that span across clouds and on-premises data centers. We develop managed Spark and Hadoop service for distributed data processing and parallel data-processing pipelines that speed the jobs
Databases	Cloud SQL, Cloud Bigtable, Cloud Spanner, Firestore, Memorystore, and more	We offer various types of solution design like highly-scalable NoSQL database service, fully managed schemaless non-relational datastore, NoSQL document database, a fully managed in-memory data store, and mission-critical global relational database service
Developer tools	Cloud SDK, Container Registry, Cloud Build, Cloud Source Repositories, Cloud Tasks, and more, as well as Cloud Tools for PowerShell and Eclipse	We design and develop webapps, mobile apps, containers, and software assets that are required for your enterprise continuum We offer various services that leverage upon Cloud SDK, a set of tools to manage resources and applications, executing your builds on Google Cloud Platform infrastructure, and storing the code in Cloud Source Repositories. We offer services for testing mobile applications using physical and virtual devices in the cloud
Healthcare and life sciences	Apigee Healthcare APIx, Cloud Healthcare API, Cloud Life Sciences (beta), and Healthcare Natural Language AI	We offer solutions for lifecycle management of healthcare and life science verticals We design and develop solutions that are used for clinical trials, HIPAA and HL7 compliances. We leverage on the GCP Cloud Healthcare system which is a fully managed service to send, receive, store, query, transform, and analyze healthcare and life sciences data and enable advanced insights and operational workflows using highly scalable and compliance-focused infrastructure.
Internet of Things (IoT)	IoT Core, Edge TPU	We design and develop IoT solutions that enable fog and edge computing and offer real time intelligence at the edge and long term strategic

		intelligence at enterprise cloud level
		We offer IoT Core solutions which are a fully managed service that allows clients to easily and securely connect, ingest data, and scale the internet connected devices. We utilize other top Google Cloud services for collecting, processing, analyzing, and visualizing IoT data in real time/ near real time and offline using various edge services.
Hybrid and multicloud	Anthos, Apigee API management, Cloud Build, Looker, and Migrate for Anthos	We offer various combinations of the private and public cloud along with various vendor platforms resulting in a right mixture of topologies that enable the right set of attributes to your projects We use GCP based Anthos which is a solution designed for building and managing modern applications running across hybrid cloud environments. Anthos is an integrated platform incorporating cloud-based services and software components
Management Tools	Anthos Service Mesh, Cloud APIs, Cloud Console, Cloud Deployment Manager, Cloud Mobile App, Cloud Shell, and more	We offer all the tools that you need to streamline your cloud, API, and application management tasks. We integrate Google APIs, including Google Cloud's Billing API, and turnkey solutions from our cloud marketplace to your apps. We deploy and configure various tools like Consoles, Bootstrapping environments, and required dependencies that ensures you have the right set of tools to manage, supervise and control
Media	Game Servers, OpenCue, and Transcoder API (beta)	We deploy Game Servers which is a managed service that enables game developers to manage their dedicated game servers across multiple Agones clusters around the world through a single interface
Migration	Cloud Data Transfer, Transfer Appliance, BigQuery Data Transfer Service, Application migrate, & Storage Transfer Service	We offer quicker and easier ways to migrate your servers, workloads, data bases and various enterprise assets including confidential data without compromising the quality We design solutions that automate data movement from SaaS/PaaS applications to GCP tiers. We leverage on the GCP online and offline tools for migrating to GCP
Networking	Virtual Private Cloud (VPC), Cloud Load Balancing, Cloud Armor, Cloud CDN, Cloud NAT, Cloud DNS, Network Service Tiers, Network Telemetry, Network Intelligence Center, and more	We design solutions based on Google's globally distributed edge points of presence, Dedicated Interconnect, Partner Interconnect, Cloud VPN, Cloud Load Balancing, and Network Service Tiers.

Operations	Cloud Debugger, Cloud Logging, Cloud Monitoring, Cloud Trace, Cloud Profiler, and Kubernetes Engine Monitoring	We offer solutions that enable better visibility, monitoring and profiling of cloud assets that might be private, public or hybrid model based. We offer Operations Management concept based offers
Security and Identity	Access Transparency, Cloud Identity, Cloud Data Loss Prevention, Cloud Key Management, Identity-Aware Proxy, reCAPTCHA Enterprise, and more	We design solutions that have the relevant security in place for various workloads and sensitive data. Few of the offers we offer are the Assured Workloads that assist with your FedRAMP Moderate compliance, signed and explicitly-authorized workload artifacts deployed, encrypt data in Google Cloud Platform with encryption keys that are stored and managed in a third-party key management system, generate, use, rotate, and destroy AES256, RSA 2048, RSA 3072, RSA 4096, EC P256, and EC P384 cryptographic keys.
Serverless computing	App Engine, Cloud Functions, Cloud Run, and Workflows	We design serverless computing platforms that run stateless containers on a fully managed environment, create small, single-purpose functions that respond to cloud events without the need to manage a server or a runtime environment, manage the execution, dispatch, and delivery of a large number of distributed tasks
Storage	Cloud Storage, Persistent Disk, Filestore, Archive Storage, and more	We design RESTful services for storing and accessing your data on Google's infrastructure, Persistent Disk using SSD and HDD storage, and shared storage which is accessed by NFS
Additional services	Google Workspace, Meet, Chrome Enterprise, and Google Maps Platform	We offer extended services using popular Google products like Google Map integration, WorkSpace, Browsers, Customized virtual desktops that be used as PaaS or SaaS suitably
GCP Partner products/ solutions	Bitnami, NIVIDA, Ubuntu,	We offer integrated solutions using GCP Marketplace partners for various purposes like LAMP stack from Bitnami, Docker Containers, NIVIDA CUDA and many more for various use cases, security needs, firewalls, & management tools. This enables us to deliver top quality preapproved, GCP certified products to our clients
Industrial standards, QA frameworks, Open standards	IEEE, NIST, Robotics	We offer GCP solutions that use GCP and partner solutions for various segments like Engineering, IoT, Computer aided engineering and design (CAE/CAD)

Our unique products – customized to GCP	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 GCP specific project roles & services, our GCP modernization ecosystem, and our GCP Research ecosystem
GCP project management / processes	PMI based	We offer management skills that are in-line to the market needs, offered by certified management graduates
Our GCP 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

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