



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



Apr 27 2021

Technology Ecosystem – GCP Role based 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 – GCP Role based

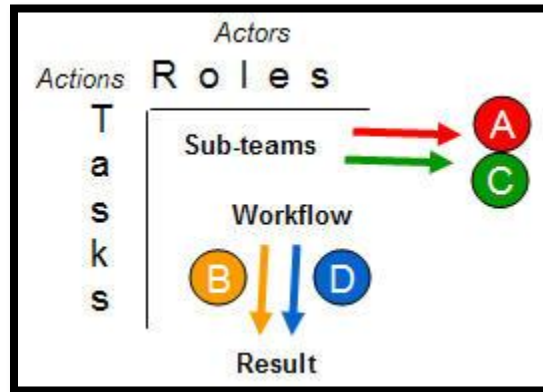


Image courtesy (The Web), no intention for copyright infringement

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

Role	Our offer/ services	Our Products used to offer services/ ecosystem
GCP Developer- IT services	<p>We offer wide range of development services for GCP projects, includes various industrial domains and horizontal solutions. Below mentioned are typical offerings and will be customized as per project needs</p> <ul style="list-style-type: none"> <li>• Microservices development, and Orchestration</li> <li>• CI/CD &amp; configuration</li> <li>• Container development with Docker and Kubernetes , GKE, Cloud SQL, Cloud Storage</li> <li>• Cloud Migration – coding, refactorization &amp; re-architecture for databases and applications</li> <li>• Cloud native database/ Sql/NoSql development ,</li> <li>• Cloud SQL and Dataproc, storage services such as Storage Bucket, Spanner, Cloud SQL, Datastore, Big Table</li> <li>• Build complex data processing pipeline in java/python using apache Beam for reading/writing data to /from Google BigQuery, Cloud Storage, Pub-Sub etc</li> <li>• Write generic dataflow templates : Schedule Dataflow jobs using Airflow with the help of Google cloud Composer</li> <li>• Use Google Dataflow in creating end to end data pipelines</li> <li>• Develop Cloud Functions based on event</li> </ul>	<ul style="list-style-type: none"> <li>• Development languages like Python, Java, Sql, Go, C#</li> <li>• Cloud SDK, Container Registry, Cloud Build, Cloud Source Repositories, Cloud Tasks, and more, as well as Cloud Tools for PowerShell and Eclipse</li> <li>• Cloud SQL, Cloud Bigtable, Cloud Spanner, Firestore, Memorystore</li> <li>• BigQuery, Dataflow, Dataproc, Dataflow, Dataprep, Cloud Composer</li> <li>• Artifact Registry, Cloud Build, Container Registry, Container Security, Google Kubernetes Engine</li> <li>• API Analytics, API Monetization, Cloud Endpoints, Developer Portal,</li> <li>• Anthos, Apigee API development, Cloud Build, Looker, and Migrate for Anthos</li> </ul>

	triggered <ul style="list-style-type: none"> <li>• Proficient in Git, and Git workflows</li> </ul>	
GCP Architect- IT services	<ul style="list-style-type: none"> <li>• Conducting architectural evaluation, analysis, and design of enterprise-wide systems</li> <li>• Translating project-specific needs into a cloud structure that will suit those needs and considering the project needs in terms of resource usage and scalability.</li> <li>• Designing the cloud environment from a holistic point of view, ensuring it meets all of the company's requirements.</li> <li>• Carrying out deployment, maintenance, monitoring, and management tasks within this implemented cloud structure.</li> <li>• Overseeing cloud security.</li> <li>• Integration of new applications into the cloud environment.</li> <li>• Conducting migration, where necessary, to bring tools and other elements into the cloud.</li> <li>• Design virtualization solutions to achieve effective server management for the business</li> </ul>	<ul style="list-style-type: none"> <li>• Google Cloud's Architecture Framework</li> <li>• Diagrams.net, Lucidchart</li> <li>• Cloud Adoption framework</li> <li>• Migration tools</li> <li>• Current state Assessment tools, planning guides</li> <li>• Public, private and hybrid cloud design components</li> <li>• Compute, Storage, DB, Network configurations</li> <li>• Google Data Center operations</li> <li>• Cloud security, Keys, Encryption and IAM</li> <li>• Docker, Kubernetes containers</li> <li>• Solution design, processes and best practices for on boarding</li> </ul>
GCP Manager- IT services	<ul style="list-style-type: none"> <li>• Work with product managers in developing a strategy and road map to provide compelling capabilities</li> <li>• Project management - prioritization , planning of projects and features, Stakeholder management and tracking of external commitments</li> <li>• Assign appropriate project management models like Agile, Kanban, extreme programming, and Scrum</li> <li>• Design, Develop PMI related management assets for effective management of development, risks, staff, processes , dependencies and related cost factors that ensures real value delivered</li> <li>• Conduct regular team meetings, reports, and communicate to related stakeholders</li> <li>• Manage any issues, risks, complaints and change requests in time and budget</li> <li>• Act as client coordinator and pass on required data for effective and agile delivery</li> </ul>	<ul style="list-style-type: none"> <li>• MS Project</li> <li>• PMI methodologies, templates, processes for Agile</li> <li>• Roadmap design tools</li> <li>• Stakeholder requirements management tool</li> <li>• GCP Architectural repository management</li> <li>• Enterprise continuum management, updates for cloud Project &amp; assets</li> <li>• Project resource management , tracking, budgeting, forecasting tools</li> <li>• Anthos Service Mesh, Cloud APIs, Cloud Console, Cloud Deployment Manager, Cloud Mobile App, Cloud Shell, and more</li> <li>• Access Transparency, Cloud Identity, Cloud Data Loss Prevention, Cloud Key Management</li> <li>• Google Workspace, Meet, Chrome Enterprise, and Google Maps Platform</li> </ul>

GCP Engineer- IT services	<ul style="list-style-type: none"> <li>• Collaborating with engineering and development teams to evaluate and identify optimal cloud solutions.</li> <li>• Experience installing and configuring different application servers such as Kubernetes cluster, JBoss, Tomcat, and WebLogic</li> <li>• Configure, and Deploy a GCP cloud solution</li> <li>• Networking principles and protocols such as IP subnetting, routing, firewall rules, Virtual Private Cloud, LoadBalancer, Cloud DNS, Cloud CDN, etc.</li> <li>• Client-Server configuration for user environments using virtualization and container technologies</li> <li>• Instrument and monitoring solutions using GCP tools</li> <li>• Automating the build and configuration of IaaS based solutions in Google Cloud Platform</li> <li>• Assist Cloud Admin in retrieving logs, certificates, licenses</li> <li>• Setup cloud instances on various models like IaaS, PaaS, SaaS and for distributed systems like HDFS, Clusters and private and public cloud</li> <li>• Install security patches/ versioned releases on all environments</li> <li>• Troubleshoot incidents, identify root cause, fix and document problems, and implement preventive measures</li> <li>• Effective reuse of data center infrastructure, tools and staff</li> <li>• Identifying, analyzing, and resolving infrastructure vulnerabilities and application deployment issues.</li> </ul>	<ul style="list-style-type: none"> <li>• Cloud Debugger, Cloud Logging, Cloud Monitoring, Cloud Trace, Cloud Profiler, and Kubernetes Engine Monitoring</li> <li>• Virtual Private Cloud (VPC), Cloud Load Balancing, Cloud Armor, Cloud CDN, Cloud NAT, Cloud DNS,</li> <li>• Cloud Build, Cloud Source Repositories, Cloud Tasks, and more, as well as Cloud Tools for PowerShell and Eclipse</li> <li>• Artifact Registry, Cloud Build, Container Registry, Container Security</li> <li>• Deployment of various solutions/ configuration related to IaaS , PaaS &amp; SaaS models</li> <li>• IoT Core, Edge TPU based engineering tasks</li> <li>• Clusters, servers configuration and deployment</li> <li>• Use of various monitoring, troubleshooting , patch and management tool</li> </ul>
---------------------------	--	---

**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

CTO: Vijay Mohire, 9741040195; Email: vijaymohire@gmail.com