BHADALE GROUP OF COMPANIES
- IT AND REAL ESTATE

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Technology Ecosystem for AWS: Catalogue

Bhadale IT Developers Pvt.Ltd
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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 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 AWS

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

AWS Product Name	AWS Product /tool details	Usage / Use case / ecosystem/ value adds
Analytics	Amazon Athena Amazon CloudSearch Amazon Elasticsearch - Service Amazon EMR Amazon Kinesis Amazon Redshift Amazon Quicksight AWS Data Pipeline AWS Glue Amazon Managed - Streaming for Kafka AWS Lake Formation AWS Data Exchange	We offer unique client needs and use case based solutions and services that are as per AWS standards We offer a broad set of big data use cases, including log analysis, web indexing, data transformations (ETL), machine learning, analysis, scientific and simulation. We collect, ingest, process, and analyze real-time, streaming data, IoT telemetry data, scalable data warehouse; we create and publish interactive dashboards, reliably process and move data between different AWS compute and storage services, we use Apache Kafka to process streaming data, set up a secure data lake in days.
Application Integration	Amazon EventBridge AWS Step Functions Amazon Simple Queue Service (SQS) Amazon Simple Notification Service (SNS) Amazon MQ Amazon AppSync Amazon AppFlow	We design message queuing service, fully managed pub/sub messaging service that enables clients to decouple and scale microservices, distributed systems, and serverless applications, We offer no code integration for SaaS applications and AWS services

AR & VR	Amazon Sumerian	We design virtual reality (VR), augmented reality (AR), and 3D applications as per your use case, be it mobile app, overlay maps, enhanced vision, image or videos that are required to meet the end goals of your product
AWS Cost Management	AWS Cost Explorer AWS Budgets Reserved Instance Reporting AWS Cost and Usage Report Savings Plans	We offer various types of AWS products based costing solutions that analyze cost and usage data, both at a high level and for highly-specific requests, along with specific MIS reports, high level dashboards, at regular intervals like quarter, semi-annual and annual budgets
Blockchain	Amazon Managed Blockchain Amazon Quantum Ledger Database (QLDB)	We offer centralized and decentralized solutions that meet client's needs for authority type. We design solutions that transact in a decentralized manner without the need for a centralized, trusted authority. Also we offer AWS Ledger database that offer a transparent, immutable, and cryptographically verifiable transaction log, owned by a central trusted authority
Business Applications	Alexa for Business Amazon Chime Amazon WorkMail Amazon WorkDocs Amazon HoneyCode	We offer solutions using Alexa as intelligent assistant for productivity in meeting rooms, and at desks. We offer AWS products that have flexibility in choosing the features that you need for online meetings, video conferencing, and business calling; pay only when you use them. We offer managed business email and calendar service with support for existing desktop and mobile email client applications.
Compute	Amazon EC2 Amazon EC2 Auto Scaling Amazon Lightsail AWS Batch AWS Elastic Beanstalk AWS Lambda AWS Serverless Application Repository VMware Cloud on AWS AWS Outposts AWS Wavelength AWS Snow Family	We offer AWS compute solutions that offer secure, resizable compute capacity in the cloud, along with fleet management features of EC2, Auto Scaling to help your fleet. We offer deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on servers like Apache, Nginx, Passenger, and IIS. We bring native AWS services, infrastructure, and operating models to virtually any data center, co-location space, or on-premises facility using AWS products.
Containers	AWS App2Container Amazon Elastic Container Registry Amazon Elastic Container	We offer services for design of containers and offer migration of existing applications to newer platforms. We integrate and host the fully-managed Docker container registry. We deploy, manage, and scale containerized applications using Kubernetes on AWS, without you having to manage

	Service Amazon Elastic Kubernetes Service AWS Fargate	servers or clusters
Customer Engagement	Amazon Connect Amazon Pinpoint Amazon Simple Email Service (SES) Contact Lens for Amazon Connect	We offer customer-centric solutions that enable better engagements and effective communications. We offer solutions for self-service, cloud-based contact center services/BPO that makes it easy for any business to deliver better customer service at lower cost. We leverage upon AWS ML features like Machine Learning analytics capabilities that are integrated into Amazon Connect
Database	Amazon Aurora Amazon RDS Amazon DynamoDB Amazon ElastiCache Amazon Redshift Amazon Neptune Amazon RDS on VMware Amazon Quantum Ledger Database (QLDB) Amazon DocumentDB Amazon Keyspaces (for Apache Cassandra)	We offer AWS SQL and NoSQL database offers. We design MySQL and PostgreSQL-compatible relational database built for the cloud, Amazon Relational Database Service (RDS), key-value and document databases, fully managed graph database services, fully managed time series database service for IoT and operational applications, and managed Apache Cassandra–compatible database services
Developer Tools	AWS Cloud Development Kit AWS CodeStar AWS CodeCommit AWS CodeBuild AWS CodeDeploy AWS CodePipeline AWS Cloud9 AWS X-Ray AWS Command Line Interface Amazon Corretto AWS Tools and SDKs: AWS Device Farm, AWS CodeArtifact, Amazon CodeGuru	We offer development platforms, IDE, tools and dependent libraries, modules, AWS partner tools, SDK for a total end to end solution We leverage upon the AWS provided open-source software development framework to design, develop and provision your cloud application resources. We provide a fully-managed source control service that hosts secure Git-based repositories. A fully managed continuous integration / delivery service, using cloud-based integrated development environment (IDE), pipeline, testing tools and operations management
End User Computing	Amazon WorkSpaces Amazon AppStream 2.0 Amazon WorkLink	We offer automation solutions for end users that enable provisioning either Windows or Linux desktops in just a few minutes

Game Tech	Amazon GameLift Amazon Lumberyard	We offer managed service for deploying, operating, and scaling dedicated game servers for session-based multiplayer games.
Internet of Things	AWS IoT Core Amazon FreeRTOS AWS Greengrass AWS IoT 1-Click AWS IoT Analytics AWS IoT Button AWS IoT Device Defender AWS IoT Device Management AWS IoT Events AWS IoT SiteWise AWS Partner Device Catalog AWS IoT Things Graph	We offer IoT solutions using hardware, software, networking solutions that extend AWS to edge devices so they can act locally on the data they generate. We offer integration of AWS products that can support billions of devices and trillions of messages, operationalize sophisticated analytics on massive volumes of IoT data, and secure your fleet of IoT devices.
Machine Learning	Amazon SageMaker Amazon Comprehend Amazon Lex Amazon Polly Amazon Rekognition Amazon Translate Amazon Transcribe AWS DeepLens AWS Deep Learning AMIs Apache MXNet on AWS TensorFlow on AWS Amazon Personalize Amazon Forecast Amazon Inferentia Amazon Textract Amazon Elastic Inference Amazon SageMaker Ground Truth AWS DeepRacer AWS Deep Learning - Containers Amazon Augmented AI Amazon CodeGuru Amazon Fraud Detector Amazon Kendra AWS DeepComposer PyTorch on AWS	We offer design, development, testing and deployment of AL /ML based AWS products, and algorithms using various targets and AI models We develop fully-managed ML service that covers the entire machine learning workflow, integrated with natural language processing (NLP) service, conversational interfaces, and service that turns text into lifelike speech. Our solutions include an automatic speech recognition (ASR) service, a machine learning inference chip, Docker images pre-installed with deep learning frameworks and related environments

Management & Governance	AWS Chatbot Amazon CloudWatch AWS Auto Scaling AWS CloudFormation AWS CloudTrail AWS Config AWS OpsWorks AWS Service Catalog AWS Systems Manager AWS Trusted Advisor AWS Personal Health Dashboard AWS Control Tower AWS License Manager AWS Well-Architected Tool AWS Command Line Interface AWS Console Mobile Application AWS Management Console AWS Managed Services AWS Organizations AWS Compute Optimizer	We offer AWS stack for management, operation and governance of your projects. We designs solutions that monitor and manage services built for developers, system operators, site reliability engineers (SRE), and administrators. We enable governance, compliance, operational auditing, and risk auditing of your AWS account. We offer configuration management service that provides managed instances of Chef and Puppet. We design tailored reports and real time guidance to help you provision your resources following AWS best practices
Media Services	AWS Elemental Appliances & Software Amazon Elastic Transcoder Amazon Kinesis Video Streams AWS Elemental MediaConvert AWS Elemental MediaLive AWS Elemental MediaPackage AWS Elemental MediaStore AWS Elemental MediaTailor AWS Elemental MediaConnect Amazon Interactive Video Service	We offer support for video workloads that need to remain on-prem to accommodate physical camera and router interfaces. We design managed network delivery, or network bandwidth constraints/rules for securely streaming video from connected devices to AWS for analytics, machine learning (ML), and playback. We leverage on AWS's broadcast-grade live video processing service.
Migration & Transfer	CloudEndure Migration AWS Application Discovery Service AWS Database Migration Service AWS Server Migration Service	We offer cloud migration services by offering various ways like an automated lift-and-shift solution. We offer an agentless service which makes it easier and faster for you to migrate thousands of on-premises workloads to AWS.

	AWS Snow Family AWS DataSync AWS Transfer Family Migration Evaluator	
Mobile	AWS Amplify Amazon API Gateway Amazon Pinpoint	We design solutions that makes it easy to create, configure, and implement scalable mobile and web apps powered by AWS
Networking & Content Delivery	Amazon VPC AWS PrivateLink Amazon CloudFront Amazon Route 53 Amazon API Gateway AWS Direct Connect AWS Cloud Map AWS App Mesh AWS Transit Gateway AWS Global Accelerator Elastic Load Balancing	We design solutions that provision a logically isolated section of the AWS Cloud where you can launch AWS resources, fast content delivery network (CDN) service, and a service mesh that provides application-level networking
Robotics	AWS RoboMaker	We offer a robotics development environment for application development, a robotics simulation service to accelerate application testing, and a robotics fleet management service using ROS
Satellite	AWS Ground Station	We offer various types of satellite based integration solutions. We design fully managed service that lets you control satellite communications, downlink and process satellite data, and scale your satellite operations quickly
Security, Identity, & Compliance	AWS Resource Access Manager (RAM) AWS Identity & Access Management Amazon Cognito AWS Single Sign-On Amazon GuardDuty Amazon Inspector Amazon Macie AWS Certificate Manager AWS CloudHSM AWS Directory Service AWS Firewall Manager AWS Key Management Service AWS Secrets Manager	We offer solutions that can be easily and securely share AWS resources, scale to millions of users and supports sign-in with social identity providers, such as Facebook, Google, and Amazon. We offers you the flexibility to integrate with your applications using industry-standard APIs, such as PKCS#11, Java Cryptography Extensions (JCE), and Microsoft CryptoNG (CNG) libraries

	AWS Shield AWS WAF AWS Artifact AWS Security Hub Amazon Detective	
Storage	Amazon Simple Storage Service (S3) Amazon Elastic Block Store (EBS) Amazon Elastic File System (EFS) Amazon S3 Glacier AWS Storage Gateway AWS Snow Family Amazon FSx for Lustre Amazon FSx for Windows File Server AWS Backup CloudEndure Disaster Recovery	We offer various types of storage solutions based on file, block, short term, long term, backup and disaster recovery Few of our offerings are an object storage service, persistent block storage volumes, and elastic file system for Linux-based workloads
Quantum Technologies	Amazon Braket	We provide a development environment to design your own quantum algorithms from scratch or choose from a set of pre-built algorithms, test them on simulated quantum computers, and run them on your choice of different quantum hardware technologies
AWS Partner products/ solutions	Bitnami, NIVIDA, Ubuntu,	We offer integrated solutions using AWS Marketplace partners for various purposes like LAMP stack from Bitnami, Docker Containers/AMI, NIVIDA CUDA and many more for various use cases, security needs, firewalls, & management tools. This enables us to deliver top quality preapproved, AWS certified products to our clients
Industrial standards, 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 clients	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

AWS project management processes	PMI based	We offer management skills that are in-line to the market needs, offered by certified management graduates
Our AWS 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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