BHADALE GROUP OF COMPANIES
- IT AND REAL ESTATE

Aug 18 2021

Intel partner Services Catalogue

Bhadale IT Developers Pvt. Ltd

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Bhadale Group of Companies

Bhadale Group of Companies consists of:

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

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

2. **Bhadale Engineering Developers Pvt. Ltd** is a multi-engineering subsidiary company

Bhadale Group has aggressive programs in place to serve the niche market. Below is related to Intel Services

Bhadale Group IT Division, IT Services department

 Below are few of our service offerings:

1. **Architecture and design solutions**
2. **Cloud solutions**
3. **Engineering solutions**
4. **Client-Server machines modernization**
5. **Data center modernization**
6. **Laptop modernization**
7. **AI/ML solutions**
8. **IoT solutions**
9. **Edge solutions**
10. **Factory automation / modernization**
11. **Robotics automation / modernization**
12. **Industrial solutions**
13. **DevOps solutions**
14. **Intel software / library integration solutions**
15. **Custom solutions**
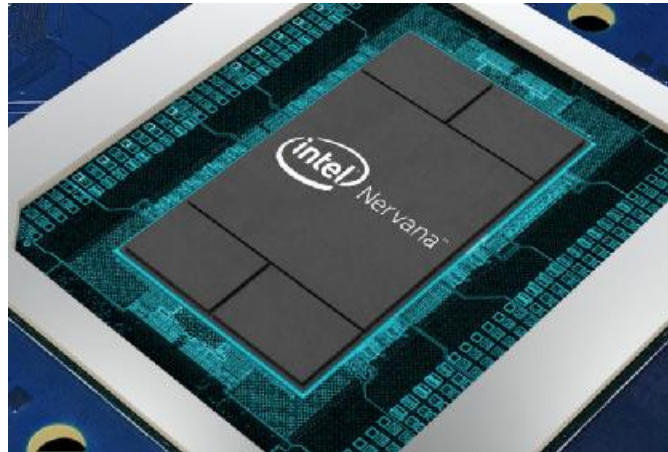
Product details

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We have a large set of subcategories; few are mentioned below with details tabulated

Service No	Service Name	Key Service features
1	**Architecture and design solutions**	We offer customized framework solutions based on Intel's principles • Fearless. We are bold and innovative. We take risks, fail fast, and learn from mistakes to be better, faster, and smarter next time. • Inclusion. We strive to build a culture of belonging. ... • Customer Obsessed. We listen, learn, and anticipate our customers' needs to deliver on their ambitions. We help clients in drafting various plans, maps, roadmaps, strategies and offer related workshops that enable key stakeholders, architects and designers to get the newer ways of doing enterprise –ready frameworks and adopting digital technologies
2	**Cloud solutions**	Design of solutions for Compute, Networks, Storage and Memory optimization for the cloud enabling better IaaS, PaaS and SaaS models. Use of Intel Xeon, Select Solutions , Cloud based servers, Software Defined Infrastructure (SDI) etc We help clients in preparing and integrating of Intel based products and the features like virtualization, accelerators, hardware-level security and related software tools. We offer Intel based solutions for the right set of tools, apps, software and desktops usage. We assist clients in leveraging cloud platform to be used more effectively and serve the right purpose for various types of users. We offer our help to size the right set of hardware boards, harness, networking capacities, protocols, libraries and the like that ensure Intel approved configurations are made best use of We leverage upon partner ecosystems like Red Hat, Google and IBM in delivering matured solutions that enable better reuse of your existing assets

3	**Engineering / Cross engineering solutions**	Assisting in engineering projects, commercial and academic, where Intel chips find a way for improving the networking, computing and field operations. We have engineering firms to adopt Intel's product line like Intel® Distribution of OpenNESS, vRAN, Embedded chipsets, tools for multiple engineering streams like for transducers for civil engineering , sensors for factory automation, interfaces and overlays for legacy systems We help engineers to design ASIC, SoC, data center engineering needs like cable interfaces, cross connect , energy distribution units, data center environmental engineering, signal measurements , analog to digital converters, energy harnessing, transformation, installation of energy units, modules, motors that are needed for different types of supplies to the motherboards, racks, pods, server and various electrical systems
4	**Client-Server machines modernization**	Better connectivity, higher speed, and optimized single node, multi node servers, using Intel Ethernet Technology to accelerate high-priority applications, packet processing, and latency-sensitive workloads We offer solutions that enable virtual desktop infrastructure (VDI), intelligent desktop virtualization (IDV), and transparent client infrastructure (TCI), Deploy Desktop as a Service (DaaS), and Hardware as a Service (HaaS) We migrate and transform legacy terminal based point of sale and old systems that are not high performing with newer chipsets and terminals that are intelligent and offer faster responses; we offer networking and middleware development enabling high reliable communication with local server and remote branch offices
5	**Data center modernization**	Migrate to datacenter edition servers, better security, global scale and run various types of workloads to meet business demands and continuity, data center blocks (Pre-integrated and fully-validated systems) ; use data center builders based roadmaps for a modern data center powered by Intel Xeon, FPGA, AI , persistent memory, SSD and various software libraries to accelerate development and rollout We offer solutions using 3rd Gen Intel® Xeon® Scalable Processors are optimized for many workload types and performance levels, all with the consistent, open, Intel architecture We offer solutions using VMware vSAN ReadyNode data center block that delivers a high-performance, flash-optimized hyper converged storage solution for any application
6	**Laptop modernization**	Personal and corporate based on Intel Xeon processors, to support better hardware level security, virtualizations and better memory that enable faster boot using SSD, reduced crashes, built in intelligence, partner solutions from DELL-EMC and Microsoft. Better support for local computing of large data sets for home based offices and better real time collaboration tools like intelligent cameras and genuine software that will help you take online proctored exams without any tension

7	**Big Data, AI/ML solutions**	AI-Builders, Libraries to better train and infer results, drive a big memory breakthrough for large datasets using Intel Optane persistent memory/ SSD
		We design and configure using various toolkits using open oneAPI standard, for various types of workloads running on Spark, and hadoop clusters
		We leverage upon the Intel® Stratix® 10 NX FPGAs, Intel's first AI-optimized FPGAs targeted for high-bandwidth, low-latency AI acceleration.
		We integrate cloud solutions for various cloud platforms like Google, and AWS by choosing the right Intel motherboards, configurations and storage capacities that enable best virtualized and container platforms
8	**IoT solutions**	For the remote IoT device and ML model deployments, edge inference and data aggregation for long term centralized batch processing, low power devices meeting ISO and Energy standards, Intel OpenVINO for intelligent vision and edge inference
		We design solutions using Intel® Movidius™ VPUs, Intel® FPGAs, and Intel® IoT Platform to help clients make best use of the Intel's IoT offerings along with the hardware level security features
		We offer Intel's Zero-touch device provisioning services that leverage hardware security in devices have emerged as the key accelerator to scale edge compute deployments while addressing IT security requirements.
9	**Edge solutions**	We offer data acquisition, analysis and short term intelligence by local inference. AI inference using Intel's OpenVINO toolkit for Natural language processing, image classification, object detection and object tracking
		We design solutions using Intel's IoT and Embedded Processors, Intel® Core™ and Intel Atom® Processors, and trust Intel® Smart Edge for one click deployment, Open Visual Cloud and Intel® Deep Insight Network Analytics Software
		We take care of the remoteness, and the harsh conditions that the devices are subject to and enable proper installation, remote monitoring, feedbacks and repairs that ensure our clients make best use of the technology
10	**Factory automation / modernization**	Modernize factories, integrate systems, use newer protocols like IIoT, 5G and Industry 4.0 standards
		We offer automation of factories, the engineering process by way of offering wireless and wired services in integrating effectively and optimizing the feeders, allowing deep inspection of raw materials, defects, ambient conditions, chemical processing, energy transformation, distillation, and many more data based intelligence that enable better quality control and control loop design for various manual, semi-automated and fully automated process chains
		We offer optimization of assembly lines, inspection of raw and packed goods enabling

		faster clearances with less manual inspections allowing staff to do better jobs. We offer design of overlay networks, virtualization of various computing systems and offer better productivity, continuity and predictions that enable better management of freaks and downtimes
11	**Robotics automation / modernization**	We offer modernization of robots (standalone, mobile, remote) by use of better AI /ML algorithms and better safety and tolerances

We offer ISO/TC 299, ISO 13482, R15.08, based offers for industrial and service robots along with general OSHA standards of industrial safety. We help you integrate Intel based products that meet the industrial safety standards especially for cobots that work along with humans |
| 12 | **Industrial solutions** | Telecom: Unlock new use cases and increase network efficiency with Intel's broad portfolio of network accelerators, combined with Altiostar's 5G-ready open virtualized radio access network (Open vRAN) software solution

Banking: Intel's first AI-optimized FPGA for high-bandwidth, low-latency AI acceleration for applications such as natural language processing and fraud detection

Retail: Smart Cameras, servers with continuous monitoring of stores, and anomaly detection at the edge, real time reporting and preventing thefts, identifications of suspects, stolen vehicles in parking and many more safety features for the retail industry |
| 13 | **DevOps solutions** | For projects using Agile, CI/ CD, MLOps and data science for Intel specific operations management

We design solutions based on Intel's best practices for site reliability engineers, performance engineers, library developers that are part of the hardware, and software teams dedicated to design of engineering, AI, ML solutions

We assist in design of workflows across various ERP departments, helping clients in delivering faster, agile and continuously integrated solutions enabling high level of visibility, approvals and faster delivery and responses to client needs |
| 14 | **Intel software / library integration solutions** | BigDL, Intel® Math Kernel Library , Intel® Threat Detection Technology (Intel® TDT) available for the first time with Intel® Xeon® CPU's through Intel® Security Libraries for Data Center (Intel® SecL - DC)

We offer in-house development and onsite integration of various libraries, modules and products along with integration testing using various tools and metrics that help your engineers to focus on their core projects

We offer various types of services as solution integrator and external consultants are available for your in house projects based on the requirements |

15	**Custom solutions**	As per client domain, industry, tool preferences and project needs; also based on various other factors like age, occupation, budget and special physical requirements
		We offer Intel partner ecosystem based services that includes Red Hat's Open Shift, IBM Cloud Pack and Google cloud hosting

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