Company **Profile**

[2024]

Who **IRISIDEA?**

Application Services

Cloud & Data Engineering

AI/ML & IoT

B2B/B2C eCommerce

BPM & Workflows
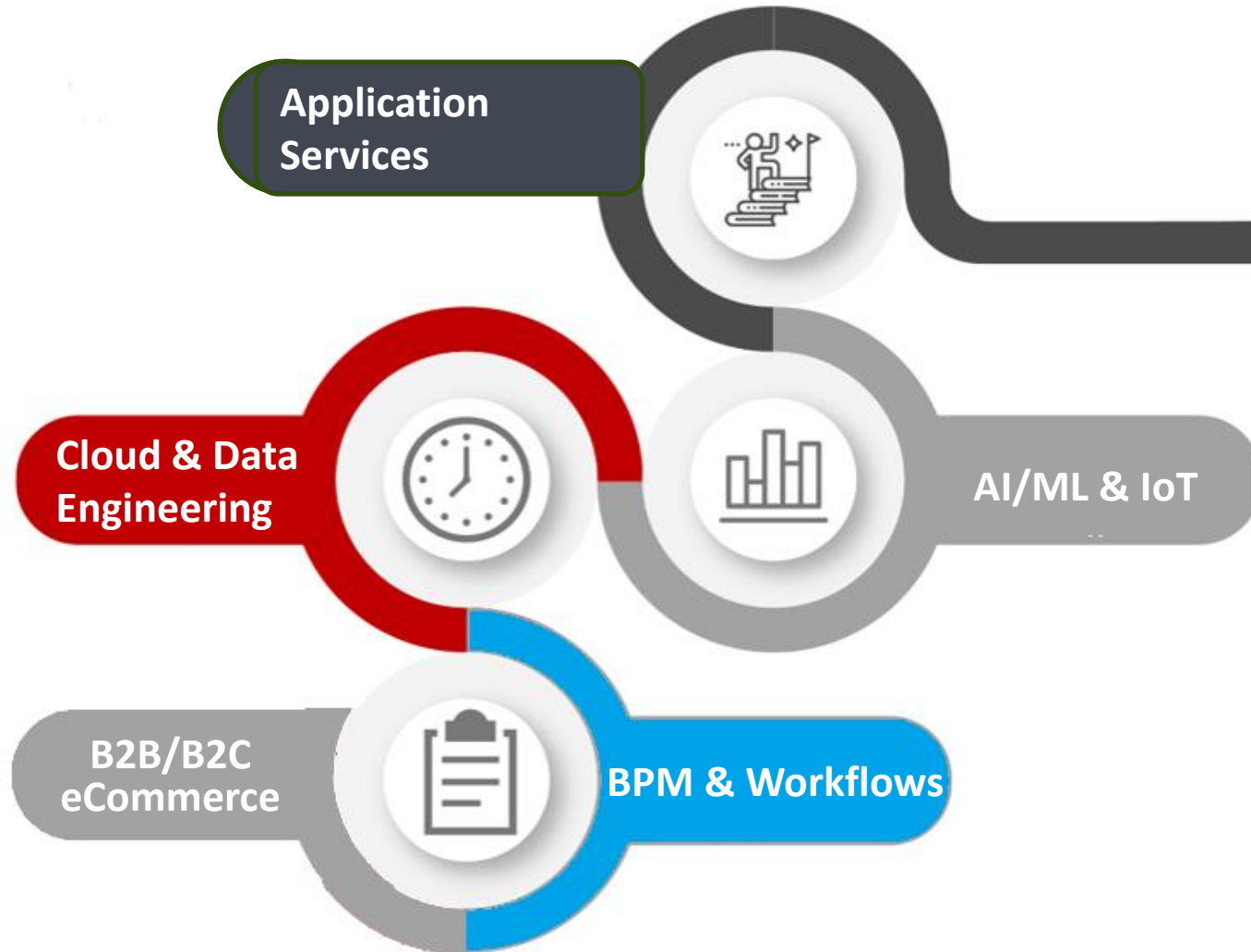
Data Driven Enterprise

Founded in 2010, Irisidea is a Data Driven, Innovative & Research Oriented software company based in India with its presence in Canada & USA.

With continual research in the emerging technologies space, Irisidea helps organisations with achieving their digital transformation goal.

Why **IRISIDEA**?

The Technologist Leadership

Led by a team of seasoned technologists who belief that the best way to deliver projects in a volatile environment is, to use **structured practices**, **highly disciplined & iterative processes**, by **encouraging communication & innovation**, and to **support skilled people** in doing their jobs with great satisfaction.

Committed and Focussed Delivery Team

The team of certified professionals has successfully been **delivering short-term, emergency, long-term, high-profile & large-scale projects**, and is flexible to deal with changes without sacrificing predictability.

Strong Tech Profile

- Kafka Streaming Solutions
- Cloud & Data Engineering
- Internet of Things (IoT)
- Ai/ML
- Application Services
- B2B/B2C Ecommerce Solutions

Process Competency

Team of Professionals & Leaders with most of them 20+ years of industry experience and certified in their respective fields.

Behavioural Competency

- Flexibility to adjust as per the project demand.
- Determination and Persistence
- Ability to Work in Harmony with Co-Workers
- Ability to quickly get expertise on new domains & technologies
- Strong communication skills (written, verbal, nonverbal)
- Enthusiastic & passionate team

Domain Exposure

- Telecom
- Healthcare
- Online Retail
- Banking & Finance
- Automobile
- Delivery
- Public Sector
- Statistics & Analytics

Customer First

We see ourselves as an extension of client business goals & needs, and strive to work in a team-led collaborative manner.

Fundamental Principles

Honesty & Integrity
Focus on People

Accountability
Commitment to Excellence

Customer First
Remain Agile

Cloud & Data Engineering
Overview

We offer platforms and solutions those are intuitive, intelligent and easy-to-use for non technical business leaders to make sense of data

- Data Ingestion, Data quality, Data-in-Error
- Digital Data Transportation
- Data Lake, Digital Data Storage
- Distributed, Parallel processing
- Domain specific analytical solution
- Executive Dashboards and actionable insights.
- Azure Databricks with Spark
- End to End Data Processing
- Real-time Data Analytics

Experience

- **Text Data Analysis/Mining** *(Server Logs, docs, CSV, Emails, Blogs, Social Media)*
- **Behaviour Pattern Analysis** for telecom companies.
- **Social Media Streaming Data Analysis** to Improve an Ecommerce company sales.
- Continuous telecom data transportation to Data Lake for further processing.
- **Accumulating The Enterprise Data** from multiple data sources of organizations.
- **Data Cleaning and Refining** for accurate analysis.
- **Sentiment Analysis** in social media for promotion/offer/discount.
- **Huge Data Transportation**.
- **Weather Data Streaming** case study.

Value Delivered

- **Better products campaigns & offers** by knowing the sales trend.
- **Improved customer retention** and customer base for telecom company.
- **Strategically decision making** based on dashboard reports and charts.
- **Analysed and predicted customers' buying pattern** for Ecommerce company.
- Helped business changing strategy to **increase revenue** on multi-channel commerce by analyzing products reviews from their customers.
- Helped hospital to have more **accuracy with diagnosis**
- Helped hospital **hiring right health experts**, expanding their reach and **order specific medicines**, using **disease trend analysis** which is crucial in epidemics.
- **Optimized cost for spare-parts** by doing **historical data analysis**
- **Increased self service** by empowering users with **harmonized data** and **drilled down analytics.**

DATA SOURCES
Financial Data
Industrial Data
Transactional Data
LOG Files
MACHINE/SENSOR DATA
STREAMING DATA
XML/CSV /JSON

Manage — Analyze — Insight

Resource Management, Security & Administration

Unlimited Storage - HDFS, NoSQL

FLEXIBLE DEPLOYMENT — On-Premise Appliances Engineered Systems — Public Cloud Private Cloud Hybrid Cloud

Cloud & Data Engineering
Real-time streaming, processing & analytics

Problems

- Organizations are increasingly looking for real-time performance from data teams.
- A batch workflow, calls for waiting at all stages and cant satisfy real-time data processing and analytics demands.

Drive Success

Irisidea helps you drive success with real-time insights and faster decision making by building highly scalable, secured and accurate real-time analytics applications with open-source technologies Kafka, Flink and Druid.

Solution

Batch Processing — 20 Min — Employee / System

Stream Processing — Less Then 1 Sec — Information / System

Kafka+Flink+Druid builds a data architecture capable of delivering data youthfulness, magnitude and dependable performance throughout the data workflow, from the occurrence to data analysis to application.

Data Sources → Streaming (kafka, kafka) → Data Transformation → Flink (Processing) → Real-time Analytics (druid) → Visualization/ Decision Making / Monitoring

Experience & Value Delivered

- Handled 1 million messages/sec
- Improved Throughput
- High availability & Consistency
- Multi Nodes Clusters

- Monitoring
- Infrastructure & Security
- Health Check & Preventative Maintenance
- Upgrades

Internet of Things (IoT)

Our engineers provide IoT platforms for re-inventing your operations, building innovative experiences, and creating next-generation products by connecting spaces, products, industrial manufacturing, and modern mobility.

Approach

Our information and operational technology capabilities combine software, hardware and edge IoT technologies with engineering and security capabilities to help your business take advantage of the almost unlimited synergies between the physical and digital worlds.

SaaS based offerings

- GPS based Real-time Vehicle Tracking
- App based Staff Tracking System
- Biometric Staff Attendance Solution
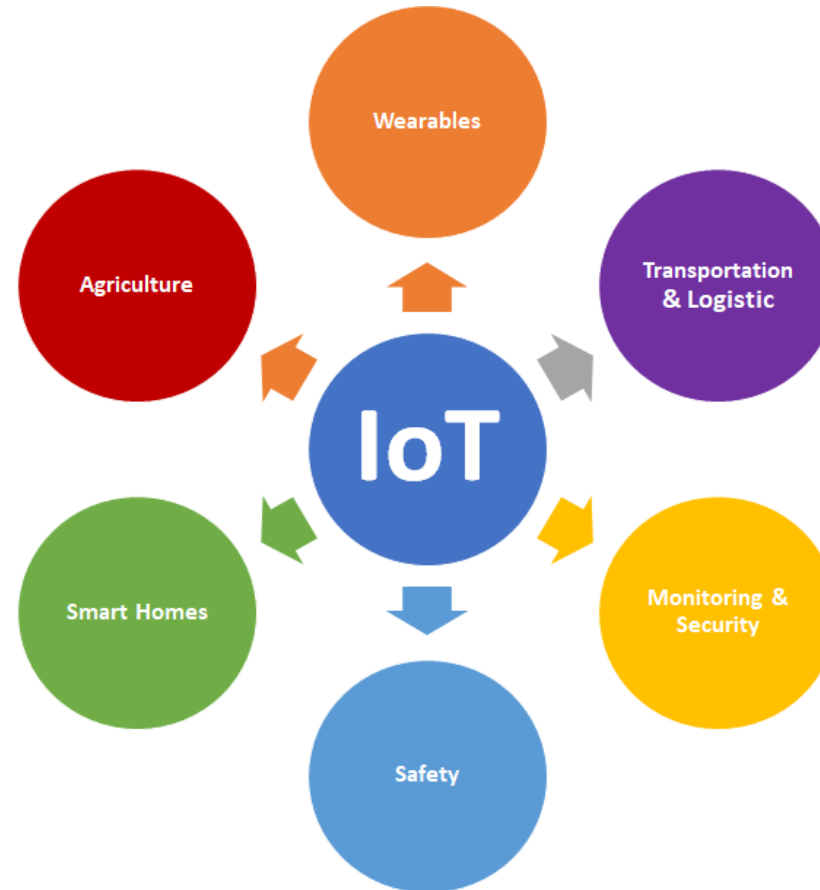
Experience

- Home Automation
- Vehicle Synchronization and Mapping System
- Environment Monitoring
- Applications in Agriculture
- Driving Safety Systems
- Fire Safety
- Multi-nodal data collection from IoT devices, storing in Cloud and analyse the data
- Sensor based Alert Systems
- Logistics & Shipping Automation

Value Delivered

- Improved Operational Efficiency
- Cost Savings
- Reduce Overhead
- Automation
- Improved Safety Measures

Artificial Intelligence/ML/DL

Our Expertise in Data Science and Artificial Intelligence comes with experience by choice of right tools and technologies employed to produce outcome of precisely predicted reports:
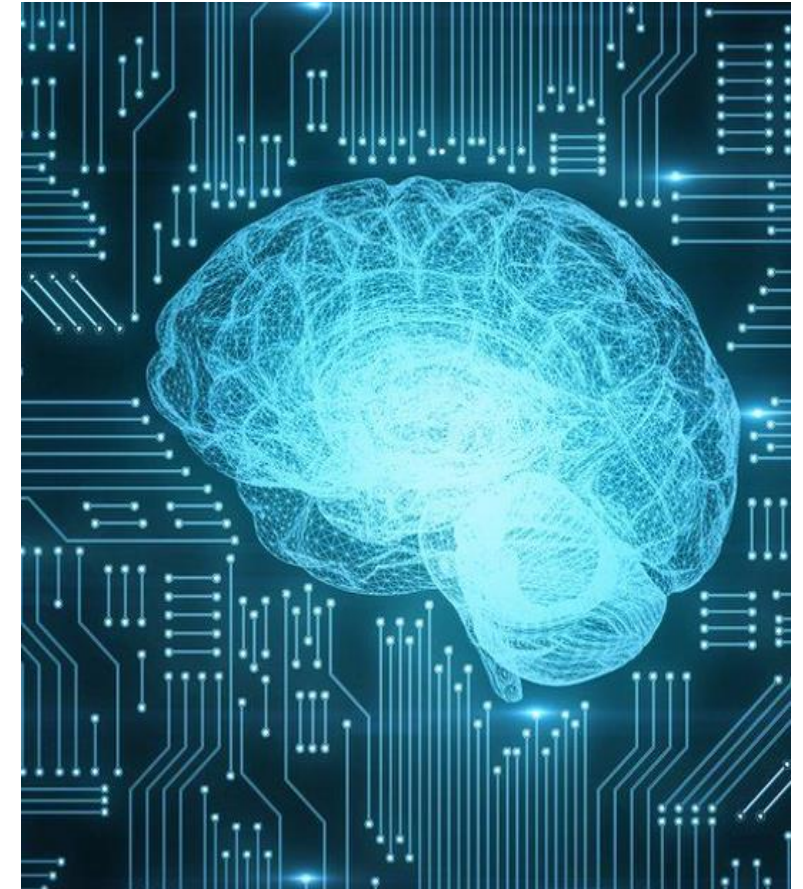
Services

- Data Mining
- Data Segregation
- Data Differentiation
- Data Engineering
- Modelling
- Predictive Analysis

Value Delivered

- More précised predictions
- Minimize the TCO
- Accuracy in ranging and scaling
- Increased call center productivity by 300% through Chatbot.

Experience

- **Biological, Cognitive, Gestational & Isomorphic**
- **Behavioural analysis** to optimize the premium in Health Insurance Industry
- **Pattern based analysis** to Improve sales in Retail
- **Biological image analysis** to MRI reports in Healthcare Industry
- **Natural Language Processing** (NLP) for better Customer Relationship Management using Chatbots.
- **Machine Learning** solutions for detecting foreign objects in sea for defence sector.
- **Sentiment Analysis** for survey, feedbacks in corporates for process improvement.
- **Predictive Analysis** to find right leads for sales from social media.
- **Object Image Detection, Image Text Extraction, Real Time Object Detection**
- **AI Conversational Bots**

B2C/B2B E-Commerce

With experience in providing the end to end ecommerce solution & services, ranging from small scale businesses to big enterprises on various ecommerce platforms, Irisidea understands very well, as how to transform any offline business into a successful online B2B & B2C story.

SaaS based Solution

- Our cloud based Ecommerce platform offers all what is required to build a truly professional ecommerce portal without worrying about coding. Choose from features what suits your business need.
- Our platform team can also customize the features, enhance it to meet any specific requirement.

Differentiators

- An **EXPERIENCED TEAM** of developers, leads, architects and managers
- **MULTI-BRAND/VENDOR/LINGUAL/CURRENCY** solutions
- Proven track record of implementing B2C & B2B sites.
- Successful Ecommerce deliveries across Globe including customers from USA, Europe & Asia
- Effectively managed third party software integration such as payment gateway, gift card, order fulfilment, social media, shipping gateway, SAP systems, CRM system etc.
- Strong inhouse support team for smooth transition and operation post production.

Experience

- **DEVELOP** new website from the scratch
- **UPGRADE** a store running on any version to latest
- **MIGRATE** an ecommerce store running on any existing platform to any other platform
- **INTEGRATE** stores with several 3rd party tools/plugins/extensions ,such as payment gateway, gift card, order fulfilment, social media, shipping gateway, SAP systems, CRM systems etc.
- **CUSTOM** store design to match with the needs of your business expectations and customers
- **CONTINUAL ENHANCE** the portals
- **QUALITY TEST** the ongoing developed solutions.
- Provide Post production **MAINTENANCE & SUPPORT**

Business Process Management

Our business process management and workflows solution offers a spectrum of options, tailored to meet the diverse needs and maturity levels of our customers.

Experience
successful implementations drawing from our extensive experience in BPM:

Integration of Oracle BPM Suite and Primavera
Leveraging Oracle's BPM Suite and Primavera, we orchestrated a seamless project initiation process encompassing project management, tagging, and progress tracking at various levels of granularity.

Utilization of AI-Powered Document Analyzer
Employing a COTS-based solution, we facilitated computer-assisted review of legal documents, extracting valuable insights from contracts and agreements using advanced AI technologies.

No/Low-Code Workflow Solution with Alfresco BPM
Empowering citizen developers, we implemented a workflow solution on the Alfresco BPM platform, enabling users to define and manage their workflows autonomously. Bespoke

Micro-Frontend and Microservice-based Solution
Crafting a tailored solution with microservices architecture, we integrated over 12 different systems of records and legacy solutions, providing a unified application for end-to-end process management, encompassing a vast repository of documents across various workflow phases

With our expertise and proven track record in BPM implementations, we are committed to delivering a solution that drives efficiency, agility, and innovation across the organization.
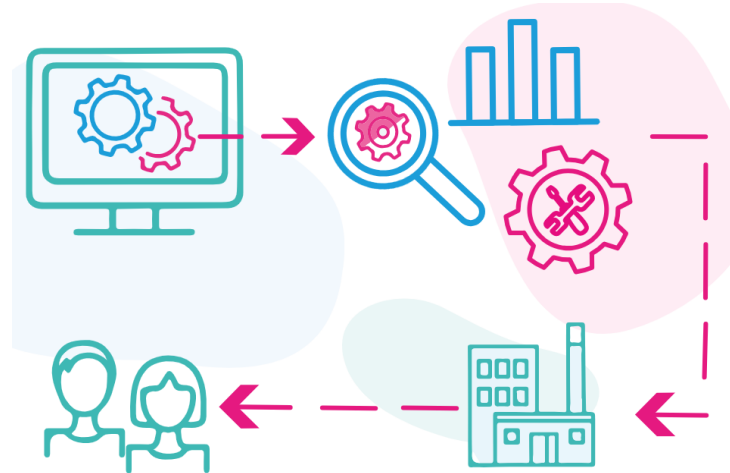
Application Services

Our Application services are meant to improve the speed, security, performance, scalability, efficiency, operability of applications that our customers' business are relying upon and save the cost as well.

Application Development

App development in various technologies

Secure & robust applications

End to end development & delivery

Covered various domains and industries

On-prem & cloud applications

Backend & Front end Development

API Integrations, Multi-tier architecture

New Feature Enhancement

Application Management

Version Upgrades

Patch updates & regression fixes

Application Deployment

Bug Fixing

Monitoring

Load balancing

Annual AMC

L1, L2 & L3 Support

Application Performance Analysis & Tuning

Database Administration & Tuning

Application Modernization

Application Refactoring: Rewriting & restructuring legacy code with latest technologies & platforms

Lift & Shift : Migrating apps to a public, private, or hybrid cloud

Re-architect the whole solution

Re-build the existing application from scratch keeping the original architecture intact.
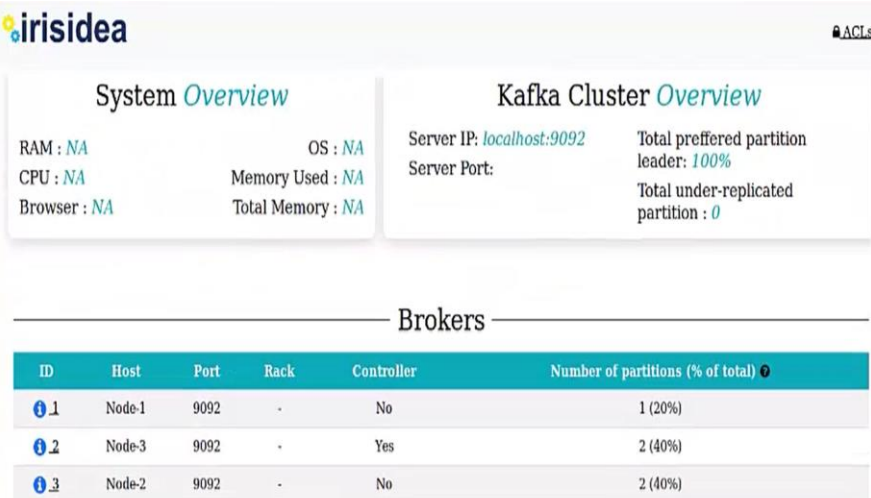
Process Automation

Technology Consultancy

We provide expert Technology Consultancy Services for businesses across industries. Our team of experienced consultants offers tailored solutions to optimize your software strategies.

Our Approach

Assessment
Thoroughly evaluate your current software systems, infrastructure, and processes.

Strategy
Devise a comprehensive software strategy aligned with your business goals.

Implementation
Seamlessly integrate new software or improve existing systems.

Optimization
Continuously refine software approaches to enhance efficiency.

Key Services

Software Auditing
In-depth analysis of your software architecture for identifying vulnerabilities and areas of improvement..

Custom Software Development
Building tailored software solutions to address your unique challenges.

Technology Stack Consulting
Recommending the best-fit technologies for your projects.

Project Management
Efficiently managing projects to ensure on-time and on-budget delivery.

Benefits

Expert Insights
Tap into the knowledge of seasoned software professionals.

Cost Efficiency
Avoid unnecessary expenses by optimizing software-related investments.

Competitive Edge
Leverage cutting-edge technologies to stay ahead in your industry.

Scalability
Build software that can grow with business.

Risk Mitigation
Identify and address potential software risks before they become issues.

Our Platforms & Utilities

KafkaView – Realtime Kafka Cluster Monitoring

Highlights

- Browser based monitoring
- Lightweight
- Easy to view the matrix
- Simplest way to manage brokers
- Can be used to monitor a distributed clusters
- Covers Single & Multi-node clusters both
- On-prem installation through executable file

Core Offerings

- Create, Modify, Delete Topics
- View Brokers/Nodes
- View published Messages
- Browse messages in various data form e.g. plain text, Json, AVRO, ProtoBuff
- View Access Control Layer (ACL)
- View Consumer Groups
- Monitoring Consumer Lag
- View resource consumptions for each broker/node
- View Hardware specifications of the clusters.

A **fault-tolerant, scalable messaging** system, **Apache Kafka** is used to build real-time data pipelines.
Kafka makes it possible to building **streaming applications** that run inside production environments.
It also supports **replications natively**

Differentiators

Very few Kafka monitoring tools in the market that offers monitoring distributed clusters & available for on-prem deployment.

Being a browser based tool makes it user friendly and easy to use.

First of its kind to show the hardware matrix of each node in the entire horizontal cluster to help admin take the necessary actions in case of any high resource consumptions on peak load.

KafkaView is a browser based tool to monitor the multi-node distributed Kafka cluster.

RouteEye – Real-time Vehicle Tracking

RouteEye is a Real-time Vehicle Tracking System that seamlessly integrates GPS and GSM modules to provide instant location data, route planning, and anomaly detection. Experience a new era in efficient and secure fleet management.

Differentiators

Fleet management with unparalleled accuracy in real-time tracking; independently track and manage any vehicle. Users can access the service from anywhere on any device.

Highlights

Real-Time Tracking: Instant location updates using advanced GPS for precise fleet monitoring.

Comprehensive Vehicle Details: Access essential vehicle information for informed decision-making.

Intuitive Route Planning: Effortlessly plan routes, add stops, and optimize logistics.

Time and distance estimation: get estimate time and distance to reach any point on the route

Anomaly Detection with Notifications: Proactive alerts for security and rapid response.

Cross-Device Accessibility: Monitor your fleet from desktops, laptops, and mobile devices.

User-Friendly Interface: Intuitive design for seamless navigation and ease of use.

Cost-Efficient Fleet Management: Optimize routes, reduce costs, make data-driven decisions.

Vehicle Inventory Management
Manage vehicles data, change status, get insurance expiry alerts

Driver database with identity details
Manage drivers' database with their ID & address proofs, assign vehicles etc.

Core Features

- Tracking on Map, ETA
- Vehicles Management
- Routes Management
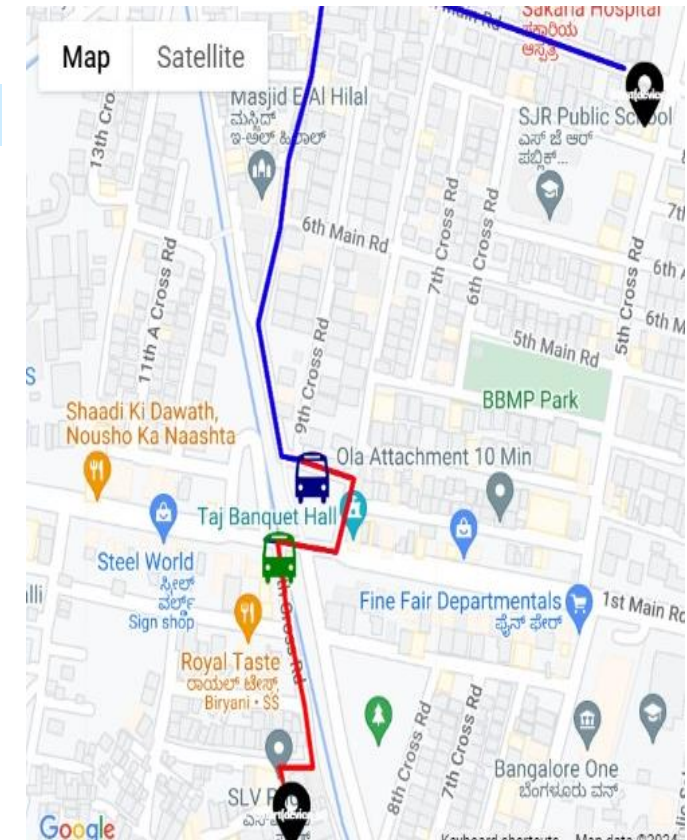- Stops Management
- Organization Management
- Driver Management
- Work Sites Management
- Schedule/Trips
- User Management
- Alerts & Notifications

Commercee – Ecommerce Platform

Commercee is a fully featured CMS for your ecommerce business to sell online around the world with the marketing tools, social integrations, and sales channels you need to get your products in front of customers.

Catalog Management

- Log in to system
- Create Categories/Sub-categories
- Stock Threshold
- Add Product
- Edit Product
- Add/Update Stock
- Enable/Disable Product to be available to end-user
- Mapping related product and setting their relationship
- Shipping charges based on location, weight etc.

Admin Module

- Category Management
- Sub-Category Management
- Product Management
- Product Inventory Management
- Manage Tax Charges
- Manage Store Information
- View Order Details
- Manage Order Status
- View Customer Details
- Manage Discount Coupons
- Manage Reviews
- Manage Newsletters

Order Management

- Order Received
- Mark As Processing
- Mark As Shipped
- Mark As Delivered
- Order Status Management
- Shipping management (Fulfilled by 3rd party company
- Email Management (sent at different intervals of the product buying journey

User Management

- Allows user to create an account
- Login/logout
- check purchase history
- User listing,
- Add/Delete/Edit users
- Change password
- Forgot password
- Email verification

Price & Invoice

- Managing prices of each product
- Discounts (Offers)
- Total order value based on real time pricing changes and shipping calculations
- Invoicing management
- Tax Management

Customer Module

- View Product Categories
- View Product Sub-Categories
- View Latest Arrivals
- Filter Product by Category/ Color/ Brand/Price Filters/
- Sort Products By Multiple Options
- Product Listing in Grid/List View
- Search By Keyword
- View Search Results
- View Product Details Page
- View Product Multiple Images
- View Similar/Related Products display
- Share Products In Social Media
- Print Product Details
- Share Product via Email
- Add Product to Wishlist
- Write Product Review
- Add Multiple Product To Cart
- View Shopping Cart
- Check out as Guest
- Checkout as a Registered User
- Pay by Credit Card/debit card/net banking
- Manage own Profile
- View Order Details

Globalization

- Create Multiple Stores
- Support for Multi-currency
- Multi-Lingual Support

SkillAnything.com - Online Learning Platform

SkillAnything is a skill building, knowledge sharing and learning platform, that intends to improve lives of working professionals, students and trainers across globe all at the same time.

Data engineering · **Data science** · **Cloud computing** · **AI & ML** · **IoT & Automation** · **Agile & project management**

Highlights

- Lessons, Quizzes & Assignments
- Course Completion - Badge & Certificates
- Shop eBooks/Whitepapers/IoT Kits
- My Learning – Learning Progress, Downloads, Live Sessions, Calendar etc.
- Role Access (Admin, Student, Teacher, Editor etc.)
- Single Course Purchase
- Silver, Gold & Platinum Membership

Core Offerings

- Self-paced Online Courses
- Instructor-led Live Online Training
- Integrated Learning for Schools
- Corporate Trainings & Bootcamps
- Internships for Students & Fresh Graduates
- Workshops & Real-life Projects

Differentiators

- The options of the learning methods to choose from and continuous mentoring throughout the learning program & post learning.
- It can be deployed on-prem or cloud as **internal learning portal for corporates** and Institutions.
- We intend to evolve by aligning to customer's success needs and their continuous feedback.

Advanced Topics · Video Courses · Live Sessions · Mentorship · Corporate Training · Internship Programs · Expert Teachers

Koolanch - Self-service Data Transport Platform

Our smart self-service data integration platform is engineered for data scientists, data engineers, and citizen data scientists bringing power of auto discovery, machine learning and ease of use for building, running, and executing data pipelines

SOURCES : Bring data from a multitude of your enterprise sources

- Relational/Transactional DBs
- Enterprise, Web, Cloud Apps
- Files, SDKs, Social Media

CONNECT : Our integration framework connects multiple data sources and targets

- Native database connections
- SFTP/HTTPs
- APIs Connections
- Web service, Streaming, and Messaging

INGEST : Seamless ingestion of data as its moves from source to target

- Auto discovery meta data
- Auto/assisted schema mapping
- Structured/unstructured data
- Auto-detection of schema changes

**TRANSFORM : Apply Transformation, Governance & Quality rules during data flow**

- Ready-to-apply transformations specific to industries and datasets
- Configurable, field-level Governance, and compliance rule smart engine
- Data Lineage and Data Integrity
- Configurable Data Quality rule smart engine

RE-TRANS : Ensure Zero Data loss

- Re-Trans data-in-error after remediation and maintain your data integrity
- Data-in-error resides in rejection store adhering to governance policies

TARGET : Transport your data to your choice of targets

- Data Warehouse, Data Lakes
- AWS RedShift
- MS Azure
- Hadoop
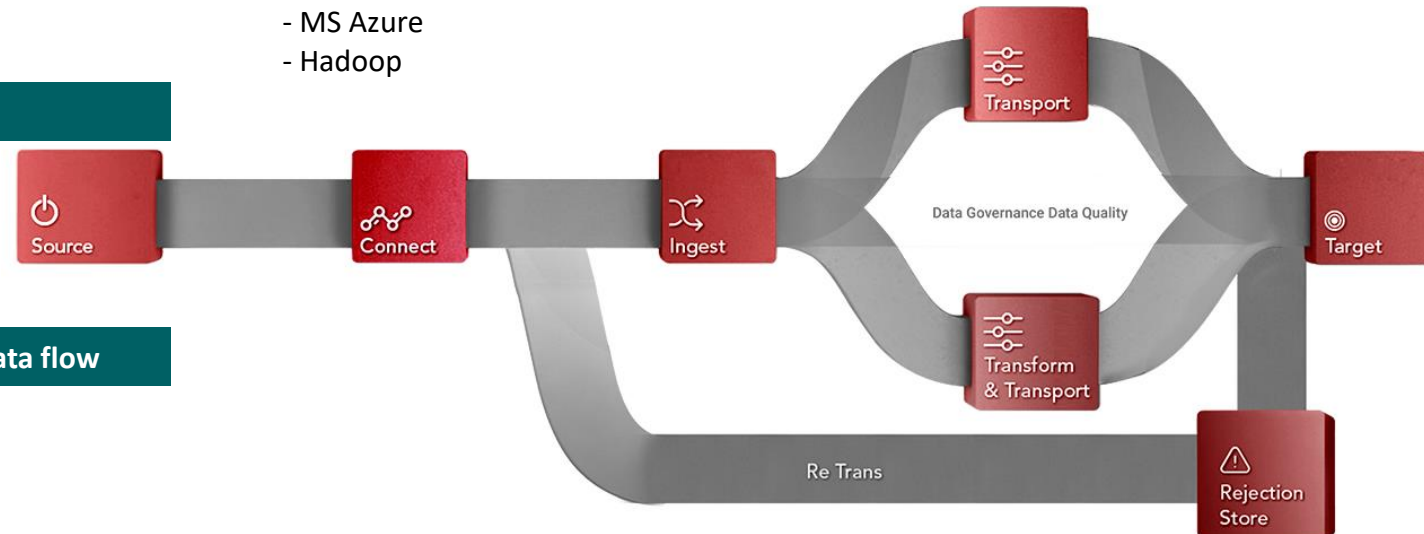
Key Customers & Partners

Let's **Collaborate**

- ➢ **End to end Solution Partner**

We take up the responsibility of Design, Development, Delivery, Deployment & Support by managing it ourselves by executing all the steps involved.

- ➢ **Technology Partner**

We take up the responsibility from technical perspective and get involved with pre-defined requirement gathering till development, testing and continuous technical support and enhancement.

- ➢ **Technical Resources on Contract**

Whether you need a single professional to augment your existing team, or an entire team to take on a project, we help building strong delivery and development team for you by providing our resources on contract. They will represent your brand and collaborate with you & your customer.

Collaboration

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