



Digital Engineering Expertise

that makes technology work

#MakeTechnologyWork

Who are we?



Trusted Digital Engineering partner for Innovative Startups & Visionary Enterprises



Focused on **Digital Technology and Assurance**



2000+ Customer Obsessed Engineers



100+ Active Delighted Customers



Growing at **CAGR of 43%**

Industry Recognitions

“

Forbes

Top 25 Machine Learning Startups To Watch In 2020

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dun & bradstreet

Listed amongst **'The Leading SME's of India - 2020**

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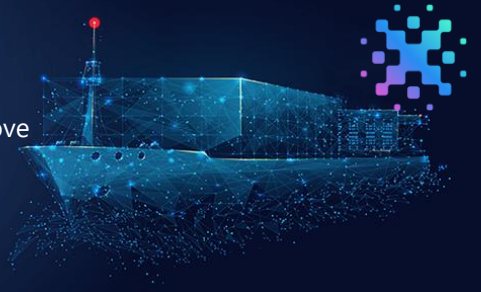
YOURSTORY

Top 15 Big Data Development Companies in India and USA, 2020

Digital Engineering Solutions

Data and Analytics

Data and Analytics help to improve the quality of business decisions based on scientific insights.



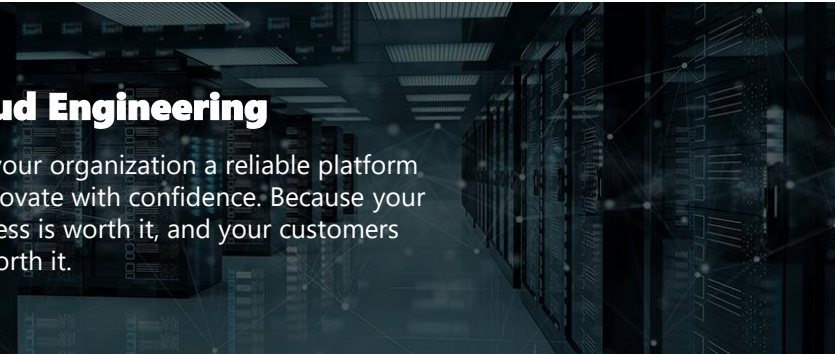
Application Engineering

Engineering consumer grade, modular applications that can connect, communicate and collaborate across platforms for rich customer experience enabling organizations to be truly digital.



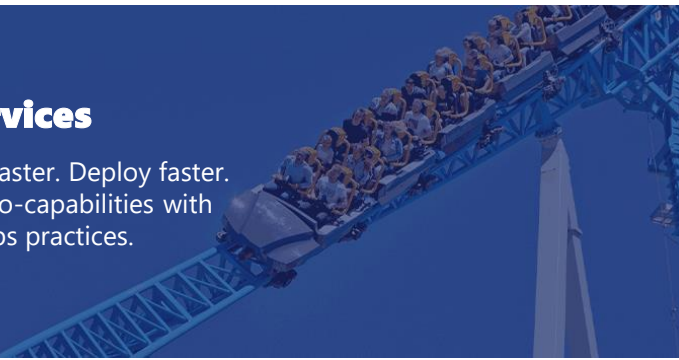
Cloud Engineering

Give your organization a reliable platform to innovate with confidence. Because your business is worth it, and your customers are worth it.



DevOps Services

Build faster. Test faster. Deploy faster. Glide from code-to-capabilities with automated DevOps practices.

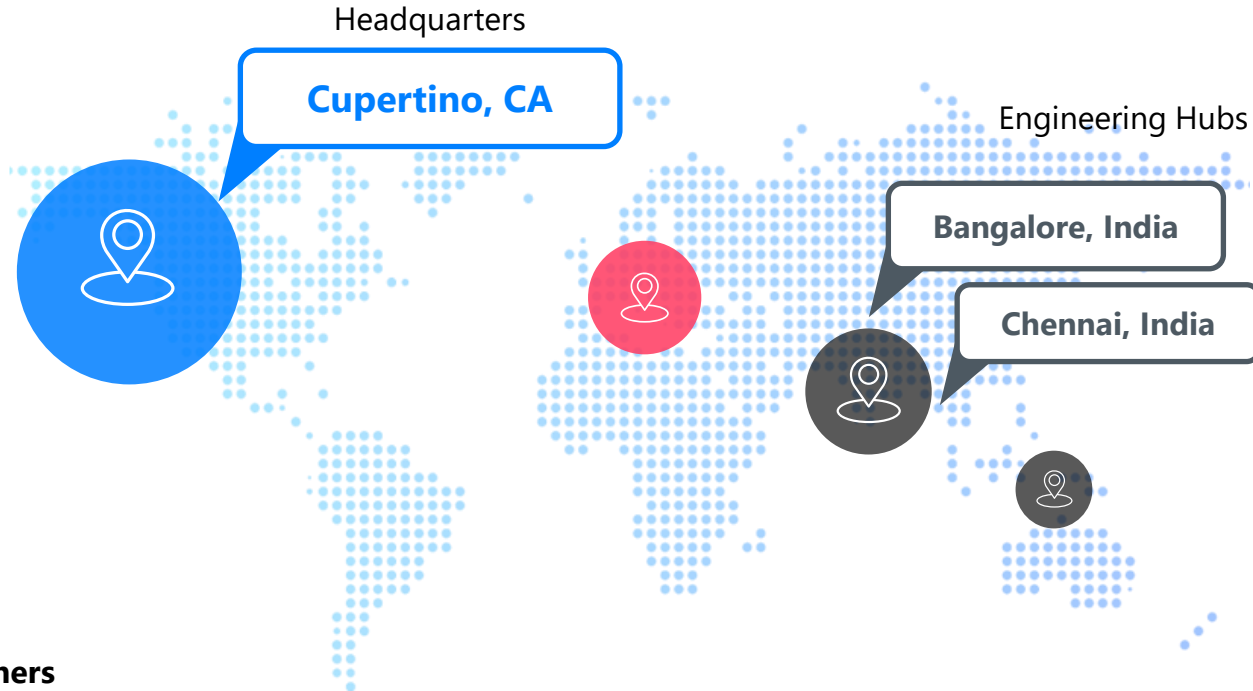


Digital Assurance Services

Digital Assurance brings in the much-needed stability to Digital Transformation – which is a complex, constantly evolving, a multi-dimensional charter for enterprises and ISVs



Where are we



Global Customers



What we invest in



Pre-built Solutions

Reinvent and Accelerate



- ◀ AI powered Text Analytics
- ◀ Data Extraction | Text Classification | Text Summarization | Redaction
- ◀ Processes multi-format documents | Summarization of customer reviews | Image pre-processing | Product categorization | Supports multiple languages



- ◀ Smart test automation platform for functional, regression, performance, security and compatibility testing needs.
- ◀ Low code automation | Intelligence scripting | Script once NFT | Native test data generator | Swift compatibility

People

Attract & Retain Exceptional Talent



Employee Connect



Indium Academy



CSR Initiatives

Partners

Augment Service Capabilities



App Modernization,
DevOps Automation
& Analytics



Data and AI
Services Partner



Data Streaming and
Real Time analytics



Data Virtualization
Platform



Low Code Development
for Speed and Scale



Low Code Custom
App Development

How we engage



Discover



What is your goal today?

Build a digital experience | Digital Transformation & Delivery | Modernize Technology | Digital Assurance | Optimize Operations | Automation

Design



Foundational Product/ Solution Structure

Detailed Elicitation | Solution Ideation | Feasibility Assessment | Proof of Concept | Technical Proposal | Effort and ROI Estimations | Solution Prototype

Deliver



Solutions and Customer Centric Processes

Deploy Indium's Team | Project Management | Governance | Communication | Delivery at Scale | Knowledge Transfer

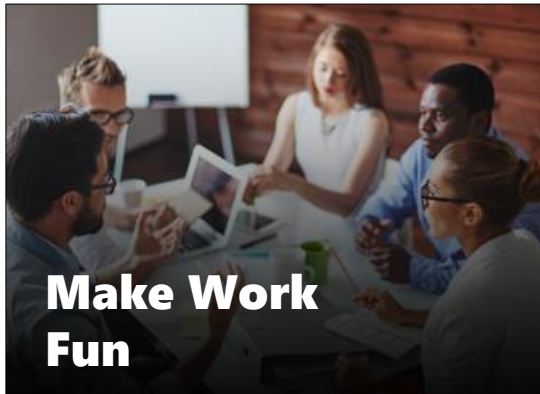
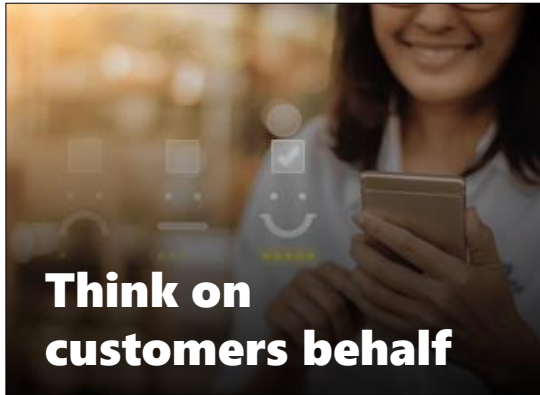
Turnkey Development

Hybrid Teams

Agile Pods

Resource Augmentation

What do we believe in





Data and Analytics

Data Analytics and Visualization

- ◁ Detailed analytics on Products and their impact on users, handling about 10-100bn rows of data per day
- ◁ Post Launch analysis of a new payment gateway (>15 statistical tests), analyzed on a multitude of axis
- ◁ Built interactive dashboards with various KPIs (>25 Metrics) that measure the impact of the new payment gateway

Semi Conductor Manufacturer | Adv. Analytics

- ◁ Hadoop and Data Science Solution with a Visualization layer to aggregate data from process chambers on to an actionable interface
- ◁ Predictive Maintenance: 3X reduction in repair/ maintenance cost and downtime
- ◁ 20% increase in the manufacturing efficiency resulting in more wafer production per unit time

Energy Analytics | Data Insights and preventive maintenance

- ◁ Helped forecast demand for energy distribution, reducing surplus and inventory costs by 5%
- ◁ Analytics insights to detect outliers for ill-performing wind turbines, maximizing revenue recovery and reducing sunk costs by 2-3%
- ◁ 5-6% cost savings in repair & maintenance from proactive alerts from energy grids



Cloud Engineering

Supply chain network | Data Engineering

- ◁ Improved search latency and performance of website (80%) with efficient data search and retrieval
- ◁ Upgraded architecture and Data model enhancements to minimize lags, improve page synchronization (95%)
- ◁ Overall performance tuning and user experience developments

Mobile Engagement Platform | Data Engineering and Security

- ◁ Revamped architecture to perform heavy ETL processes and computing
- ◁ Established centralized big data ecosystem/ distributed processing with integrated reporting data
- ◁ Data processing times reduced from 3 days to 3 hours with improved security

Fintech | Cloud Migration Services

- ◁ Migration from Digital Ocean to AWS and efficient dockerization, to minimize TCO
- ◁ 93% reduction in time taken to generate financial reports and process loans. Loan processing within 30 mins was achieved.
- ◁ 80%+ drop in transaction issues while integrating with banks for the automated loan repayment processes



Turnkey Product Development

Multitenant HRMS | Microservices Development

- ◁ Multitenant microservices-based architecture to enable customization, faster synchronization with increased scalability & data integrity
- ◁ Integrated with Payroll Processing, Employee Self-Service etc., using SSO
- ◁ 40% increase in customer satisfaction from a single end-to-end product, incorporating all HRMS features

LMS Application | Application Enhancement

- ◁ Comprehensive LMS application enabling efficient course management, with integrated payment gateway
- ◁ Platform to facilitate the creation and tracking of course content, across multiple content providers
- ◁ Automatic pricing updated based on geo-location of access

Health Management | Application Development

- ◁ Mobile & Web application with features, like Hospital Registrations, Data Export, Audio/ Video streaming/ conferencing etc.
- ◁ Resilience based system to handle peak loads and preserve requests in queue model
- ◁ 3X efficient user data management with dashboards & reports to categorize/ group and generate insights



App Engineering

Real Estate | Establishing Digital Experiences

- ◁ Developed a collaboration platform to reinvent real estate buying-selling experiences
- ◁ Rapid development: a ready MVP in 4 months and baselined product in 10 months
- ◁ Grew client onboarding (+60%) with reduced operations cost (30%) through self service UI and accurate conversion

Pharma Manufacturing | Digital Adoption

- ◁ Developed a Digital Pharmacy to facilitate the journey of Selection of Drug to Launch
- ◁ 30% reduction in wait times with optimized operations
- ◁ Visibility into the milestones and lifecycle of product launch with Digital Resources (Dashboards, Analytics Insights)

Lifesciences | Low Code Development

- ◁ Augmented Mendix development of a patient enrolment experience app
- ◁ Rapid turn around in minimal time to realize new features/ configurations
- ◁ Performance Engineering and Optimization

Our Work



DevOps

Azure and Github | Data Integration

- ◁ Setup Azure DevOps along with multiple utilities to retrieve the work items from it
- ◁ Helped avoid missing commits into production branch
- ◁ Achieved automatic deployment of code in UAT environment by GitHub
- ◁ Achieved high availability of the IT infrastructure

Semi Conductor Industry | Data Management

- ◁ Enabled setup of end-to-end DevOps pipeline using Jenkins
- ◁ Created Jenkin jobs for automatic update of artifacts
- ◁ Black Duck scan as part of Jenkins pipeline to identify open-source software that doesn't legally bind
- ◁ Enabled offline deployment for Security

Process Automation | Installation Management

- ◁ Automatic installation of applications in multiple Servers, increasing Efficiency and reducing manual effort
- ◁ Managed Software Installation, Upgradation, Configuration and License management
- ◁ Onboarding of multiple customers and install applications instantly



Digital Assurance

eCommerce | Extensive Quality Assurance

- ◁ E2E Testing of enterprise applications in track with Time-to-Market goals
- ◁ Automated 60% of manual test cases expediting the Test Life Cycle operations
- ◁ End to end ETL Process Data Validations with Defect Impact Matrix
- ◁ Achieved 99% DRE (Defect Removal Efficiency) in every production release

Game Play, Content Delivery Platform Testing

- ◁ Game Play tests with real simulations of user demography and interests with test efficiency of 80%
- ◁ Extensive testing of game functionality, compatibility and responsiveness, in-game features
- ◁ Specialized testing for ad framework integrated with games
- ◁ Rapid scale resources (focus groups and infrastructure for testing)

Healthcare Enrollment and Billing Systems QA

- ◁ Extensive user stories covered for patient journey workflows and auditing of transactions
- ◁ Developed agile Automation pipeline across modules and reduced manual test execution effort by >70%
- ◁ Custom framework for Data Quality Validations in administration applications
- ◁ Validated HIPAA Compliance checklist and PHI Compliance



teX.ai, Text Analytics Accelerator

Real Estate | Land Deed Survey Extraction

- ◁ Extracted Survey text from Deed documents with near 100% accuracy
- ◁ Automatically generated plotting coordinates using extracted data
- ◁ 95% reduction in time taken to plot boundaries from a document
- ◁ Operational cost reduction by 65% owing to reduced manual effort

Oil and Energy Tech Services | Text Extraction

- ◁ Text extraction from a volume of PDF documents in at least 5 different formats
- ◁ Leveraged teX.ai for the automated text extraction process with accuracy of 80%+ and requiring less than 50% of current time
- ◁ Automated identification of objects/ tables from source, with 4x efficiency
- ◁ Human intervention reduced by >80%

Healthcare | Voice to Text Automation

- ◁ Automated and noiseless transcripts of physician and patient interactions
- ◁ Voice to Text Conversion NLU Engine, with an 80% accurate trained model
- ◁ A portal for efficient querying of processed files (converted transcript files)
- ◁ Reduced manual data entries/ physician intervention by 60%



uphorix, A Smart Test Automation Platform

OTT Platform | Test Automation with uphorix

- ◁ Swift release testing with automated script generation leveraging uphorix
- ◁ 80% Test execution effort saved and remaining 20% was used to prepare reports.
- ◁ Multiple Retest effort saving 100% defect retest effort with record and click functions

Real estate Buy-Sell Platform | Data Validations Automation

- ◁ Dynamic Test Data generation and automated form submissions for testing
- ◁ Data flexibility across enterprise apps improved by 50%, with reusability data for onboarding process
- ◁ Integrated QA support with Dev and 100% timely release management

E-Health Record Management | Rapid Scripts Development


- ◁ Touchless testing: Developed Flexi Captured Scripts using uphorix
- ◁ Swift Script Development with 55% efficiency
- ◁ Reuse of automation scripts & test components for performance testing with minimal intervention of test engineers

THANK YOU



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