



Custom Software Engineering with a Human Approach

New York USA

London UK

Munich Germany

Zug Switzerland

DataArt is a global software engineering firm that takes a uniquely human approach to solving problems.

With over 20 years of experience, teams of highly-trained engineers around the world, deep industry sector knowledge and ongoing technology research, we help clients create custom software that improves their operations and opens new markets. Powered by our People First principle, we work with clients at any scale and on any platform, and adapt alongside them as they evolve.

We Help Clients
Achieve Important
Business
Outcomes by:

1. Building New Products and Services
2. Modernizing and Re-engineering Legacy systems
3. Consulting on New Technology Approaches
4. Providing On-Demand IT
5. Controlling Costs via Managed Support Services

Key Industries:

1. Finance
2. Travel & Hospitality
3. Healthcare & Life Sciences
4. Media & Entertainment
5. Retail & Distribution

Our Services



Product Development

- Expertise across industry practices
- B2B / B2C / enterprise / startups
- From ideation and prototyping to MVP and finished product
- Proven value-driven, iterative process



System Modernization

- Porting, re-engineering, migration, re-platforming of legacy applications
- Active business stakeholder involvement, business / IT collaboration
- KPIs mapped to business goals and priorities
- Incremental, iterative delivery of working systems



Managed Support

- Reduce operational costs
- Increase system quality, stability and availability
- Free up internal staff for value generating work
- Best-of-breed Application Life Cycle tools and processes



On-demand IT

- Scalable and elastic “developer cloud”
- Shared risk
- Effective knowledge management
- Domain expertise



Technology Consulting

- Analyze client's goals and objectives
- Explore technology options, existing technical landscape & integration requirements
- Accommodate client's priorities, budget, schedule and technical constraints



Solution Design

- Creating system design and architecture which addresses the business needs

Software Design, Development, and Support



20+ Global Locations:

USA
United Kingdom
EU
UAE
Eastern Europe
Latin America



4000+
consultants &
engineers



95%
return clients



3500+
successfully
completed projects



10%
staff turnover rate



20+ years
in operation



Reliable
profitable, financially
strong, fully audited



Why Clients Hire and Retain DataArt



Deep expertise:

- Faster time-to-adoption
- Technical & industry certifications and relationships
- Deep knowledge base
- Long-term clients

Top-rated technical staff:

- 4000+ strong team
- 20+ locations to get the best talent
- Highly selective employer:
 - 0.8% applicants hired;
 - 16% interview-to-offer ratio;
 - 130,000 CVs monitored

Ability to deliver business outcomes:

- Solution Design methodology
- Quick-start project infrastructure
- Long term Agile practice
- Structured approach to Digital Services, Product Launch, Legacy Modernization

Attitude

Easy to engage
and drive forward

Engineering
excellence

Industry
knowledge

Reliability

Financial stability

Security and
compliance checks

DataArt Technology Expertise



Big Data

- Data processing and analytics
- Solutions built with NoSQL databases
- Distributed web crawling systems
- Social Web mining
- Text mining
- Research projects on Windows Azure
- Fast search

Blockchain

- Decentralized database
- Shared, replicated ledger
- Immutable storage
- Security audits and ICO work
- Creation of new DLT products and services using Ethereum, Hyperledger, Corda, and Chain.com

Mobile

- Native vs HTML
- Cross platform development
- Wearables
- Omni-channel vulnerability assessment
- Compliance management
- Mobile security consulting

Artificial Intelligence

- Automating daily routine
- NLP
- Building performant MLaaS infrastructures
- Building mathematical models

Cloud & Infrastructure Transformation

- Cloud migration
- Hybrid cloud solutions
- Operational process automation
- Scalability (scale-out vs scale-up) and high availability
- Continuous integration and Continuous deployment

Open Source & IoT:

- Digital transformation
- Best-of-breed tools and platforms
- Continuous delivery in technology- and data-driven companies
- Cloud technologies combined with engineering thinking
- DeviceHive: open source IoT platform

Machine Learning:

- Integration with MLaaS Solutions
- Tuning and Integration of existing models / frameworks
- Implementation and Development of custom ML models
- Deep learning. Computer vision, speech and noise recognition
- Artificial neural networks

Industries We Work with

Finance Practice



- DataArt works across all segments of the financial services industry and capital markets, serving banks, exchanges, hedge funds, market data companies, ratings agencies etc.
- We work with the front office through the middle office to the back office, and do everything from digitizing existing offerings and building portals to building order management systems, re-engineering entire legacy architectures, and launching new fintech companies.
- We understand the demanding nature of the industry better than most, and are highly mindful of the requirements for confidentiality and security, regulatory compliance, transparency and reporting.

Finance

Travel & Hospitality

Healthcare &
Life Sciences

Media &
Entertainment

Retail &
Distribution



Areas of Expertise in Finance

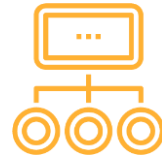


With extensive knowledge and deep experience in various segments of the industry, we are restructuring our offerings around these areas in 2017:

Finance



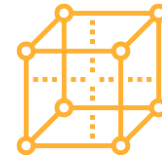
Digitalization



Data Management



Trading



Blockchain

Travel & Hospitality



Business Process Management



Cloud Enablement



Artificial Intelligence



Cyber Security

Healthcare & Life Sciences

Media & Entertainment

Retail & Distribution

Travel & Hospitality Practice



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- DataArt's Travel & Hospitality team helps navigate the complicated, domain-specific systems and inner workings of the travel industry.
- We are active and engaged members of GBTA, HFTP and OpenTravel, and we can evaluate and create solutions that take into account these industry-specific standards. We help companies analyze business operation flows as well as design, develop, and certify their own apps.
- We are certified Sabre, Amadeus, and Travelport developers capable to integrate, upgrade or redefine the use of their products or services within your digital travel ecosystem.



Travel & Hospitality Areas of Expertise



Booking & Reservations Systems

- all types of travel products: air, auto rental, hotels, cruises, etc.)
- multi-lingual, multi-currency, multi-channel distribution, and inventory/pricing/yield management



Revenue Management

- improved yield, inventory and price management capabilities
- solutions leveraging Big Data, business intelligence, competitive price shopping, and more



Systems Integrations

- HTNG/OTA API's, GDS, OTA, CRS, Direct Connect, Expedia, TripAdvisor or Google APIs, etc.



GDS Services

- GDS web services to make travel agents relevant again and represent a significant opportunity for travel distributors
- Sabre Red Apps that have helped distributors increase their sales in the travel agency channel



Hospitality Systems

- front/back of house systems (PMS, HMS)
- food & beverage
- spa/golf/tennis systems
- all the major CRS systems



Customer Experience Management

- tablet and smartphone apps that put relevant services and products at customers' fingertips

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Healthcare & Life Sciences Practice



- DataArt's Healthcare and Life Sciences practice designs, develops, and supports innovative solutions for health systems, CROs, research centers, technology vendors, and pharmaceutical and biotech companies.
- The team possess an extensive body of knowledge in the Healthcare and Life Sciences industries that we have accumulated over 15 years of extensive experience within the US, UK, and European markets.
- The Healthcare and Life Sciences team concentrates on the latest advancements in the technology space, i.e. AI, Machine Learning, VR, IoT, and how these advancements can be applied within the industry.

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Healthcare & Life Sciences Areas of Expertise



Patient
Engagement



Care
Management



Drug
Development



TeleHealth, Medical
Devices & M2M

Finance

Travel & Hospitality



Integration
Services



Claims & Beneficiary
Management



Reporting and
Measuring

Healthcare &
Life Sciences

Media &
Entertainment



Big Data &
Analytics



Regulations &
Compliance



Industry Standards
& Protocols

Retail &
Distribution

Media & Entertainment Practice



- Accelerated disruptive changes in technology and consumer behavior have put media businesses under constant revenue pressure. It is critical to maintain the highest level of technological innovation in balancing the relationships between all parties on both the global and local levels.
- DataArt specializes in enterprise systems design, integration and development, as well as business automation. We develop sophisticated approaches to help tackle challenges presented to the media and entertainment industries in the 21st century.

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Media & Entertainment Areas of Expertise

We bring industry knowledge, technical expertise, and business competence to the following industries:



Music
Licensing & Catalogue
Administration, Metadata
Management, Royalties
Distribution, Streaming Analytics,
Ticketing & Touring Automation



Book Publishing
Title Management, Editorial/Workflow
Systems, Sales and Marketing Tools,
Self-publishing Solutions, E-Publishing &
Audio Books, Reporting and Analytics



TV & Video Streaming
IPTV/ OTT/ Streaming, Mobile Video
Solutions, Video Management
Systems, Immersive Video, Facial
Recognition



Digital Media & Advertising
Enterprise Content Management
Systems, Digital Publishing Solutions, Multi-
Channel Content Delivery, Advertising
Solutions, Programmatic Buying, Real-
Time Analytics



Sports
Player and Team Analytics, Live Game
Data, Sponsorship Management, Mobile
Ticketing, Augmented Reality, Sports
Betting Systems



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Retail & Distribution Practice



Rapidly changing business environments and customer engagement models require companies to continuously introduce digital transformation to prosper and compete.

- In the retail and distribution domain, to be successful means to be digital, innovative, customer centric, deliver excellent user experience, immediately respond to rapidly changing customer demands, and thus, stay ahead of competitors.

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Healthcare &
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Media &
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Retail &
Distribution



Retail and Distribution Digitization Expertise



Multi-channel
Operations



Supply-Chain
Management



Inventory Management
Solutions



Mobile & WEB
Ecommerce



Fleet
Management



Warehouse
Management



Forecasting &
Recommendation
Systems



Store Management
Solutions



Business Process
Management



Big Data &
Analytics



Cloud-based
Solutions



Billing Solutions
& POS

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