

Codart Consulting

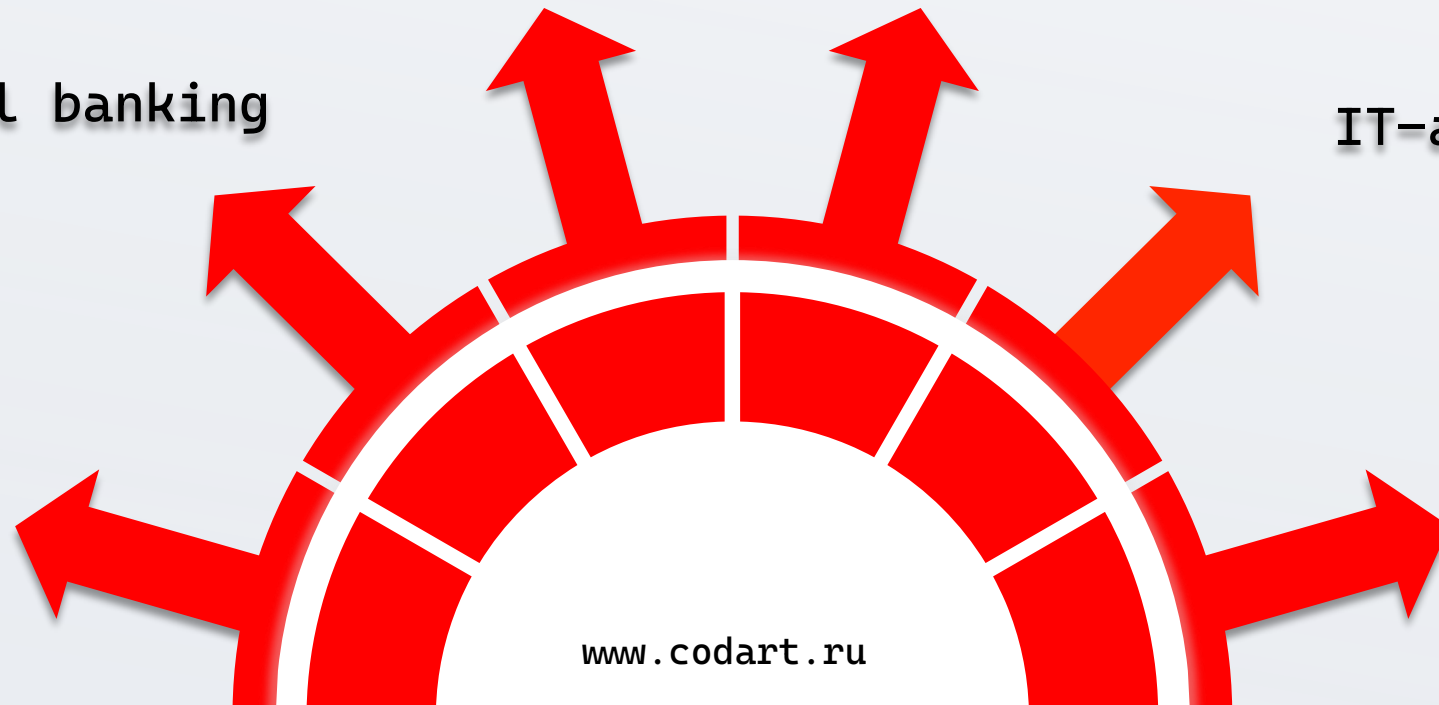
Artificial intelligence Enterprise architecture

Digital banking

IT-audit

Blockchain

Mobile solutions
architecture



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Consulting, solutions:

- Information technologies
- Financial systems
- Insurance
- Industry/MES
- Platform economy, Data



Enterprise architecture

The background of the slide is a blue-toned graphic. It features a world map in a lighter blue shade, centered on the Atlantic Ocean. Overlaid on the map is a large, thick, light blue arrow that starts from the bottom left and points towards the top right, indicating growth and progress. The entire graphic is set against a dark blue background with a fine grid pattern.

The foundation of your business

Information technology architecture - set of interconnected technological software/hardware solutions and IT-components that ensure the effective functioning of a business

Challenges:

- Legacy systems
- Slow time-to-market rate
- Slow implementation of new IT features
- High Maintenance Costs
- IT security issues
- IT Systems, instead of driving growth tends to slow business

Codart practice:

- Implementation of best practices in IT architecture
- Data quality (integration, ETL, data wrapping)
- Architectural repository
- Between applications integration of IT systems

Solutions:

- Business processes audit
- Integration audit
- Components model audit

TOGAF®



Artificial intelligence



Get proactive



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Artificial intelligence - field of research in computer science that develops and studies methods, software that enable machines to perform tasks comparable to human intelligence: perception, learning, reasoning, decision making

Challenges:

- The company creates data for little-useful storage
- Data for customer requests, processes, and market signals remains unused.

Solutions:

- Creating a LLM architecture
- Creating an architecture for integrating AI into a business model

Codart practice:

- Customer influx forecasting
- Customer behavior and preferences analysis
- Time-to-market acceleration



MACHINE LEARNING

Digital banking

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Helping set the trend



Digital banking - transformation of traditional banking services into digital formats, allowing customers to manage accounts, conduct transactions, and access services through digital channels: online banking, mobile banking, and other self-service channels

Challenges:

- Client onboarding requires personal presence
- Limited use of biometrics systems

Solutions:

- Creating a remote banking architecture
- Transition of banking products to digital (digital mortgages, digital bank guarantees)

Codart practice:

- Open API Architecture
- Implementation of digital workforce - AI assistants
- Banking services with third-party IT services integration



Blockchain

A hand is shown reaching towards a glowing 3D dollar sign. The dollar sign is surrounded by blue, swirling digital energy lines. The background is dark with a faint grid pattern and some glowing points.

Smart contracts in action

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Blockchain – technology for storing and transmitting data in the form of a chain of blocks. Each block contains information about transactions, is linked to the previous one, and is cryptographically protected

Challenges:

- How to prove the authenticity of a product from the manufacturer?
- How to verify a document's signature?

Solutions:

- DEFI, DApp
- Smart contract logic and interactions design
- Smart contracts audit
- RPC interactions based on blockchain oracles implementation

Codart practice:

- Reducing transaction costs, ensuring IT-security
- Increasing transparency in supply chains
- Automatic execution of transaction terms upon receipt of payment
- Each stage of delivery is recorded and remains unchanged
- Smart contracts audit



Information technology audit

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Transparency instead of uncertainty

Information technology audit - independent review of IT systems, processes and infrastructure to assess their security, efficiency, compliance with business requirements and standards (ISO, ITIL), and the relevance of the strategy

Challenges:

- Risk Forecasting
- "Unpredictable" regulatory fines, critical failures

Solutions:

- Configuration and security policy verification
- Architecture and source code quality verification
- IT process and management procedure verification

Codart practice:

- Business process analysis for compliance according to ISO
- IT process assessment based on federal laws, PCI DSS, GDPR
- Process assessment based on industry standards

COBIT®
An ISACA Framework

Mobile solutions architecture

Creating a competitive advantage

Mobile solutions architecture - creating a digital mobile product tailored to a company's specific needs and processes with a modern integration architecture

Challenges:

- The company's outdated business architecture
- Insufficient architectural experience in mobile systems design

Solutions:

- Requirements collection (functional, non-functional, IT-security)
- Creating a modern design
- Creating architectural integration diagrams
- Creating technical specifications
- Solution test before go-live

Codart practice:

- Agile/Scrum methodologies - you see a working version every two weeks and can change priorities
- Full-cycle development: from market analysis and UX/UI design to backend development, testing, and store placement
- Focus on business logic: we deeply dive into your project to ensure your system isn't "standard"



android



Corporate IT trainings

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Invest in technology knowledge



IT training – process aimed to develop skills in the field of information technology. The goal is to acquire new knowledge in the areas of architecture, programming, business processes, web services, data analysis, and other IT competencies

Challenges:

- Technology is changing faster than your team can learn
- Lagging behind in the adoption of new technologies
- Knowledge gaps lead to errors, slow work, and missed opportunities

In the training process we use:

- Lectures
- Testing
- Expert knowledge assessment
- 80% training using real-life cases and simulations

Education:

- IT systems integration - 48 hours
- TOGAF methodology - 48 hours
- C4 modeling - 48 hours
- Domain-driven design - 48 hours
- Individual consulting



Experience:



СБЕР БАНК



NORNICKEL

**Bloomberg
Tradebook**

 UniCredit Bank

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