

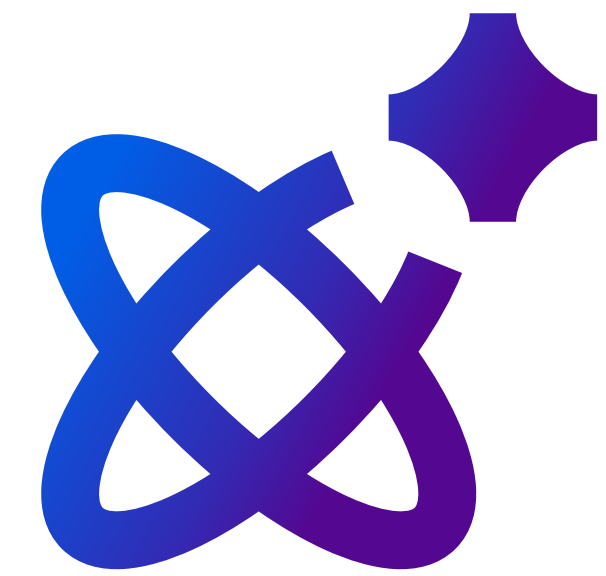
# bogdanna.com

## Corporate overview



# About us

bogdanna.com is a team of tech enthusiasts and innovators, founded in early 2023. As a modern engineering lab, we specialise in crafting tailored digital solutions that empower businesses to excel in a data-driven world. Our expertise spans AI-driven applications, data analytics, data mining, and custom software development, alongside robust DevOps practices that ensure seamless deployment and scalability. With a passion for technology and a commitment to excellence, we transform ideas into high-impact digital experiences that are interactive, scalable, and accessible to a global audience.



# Our focus

- **Fullstack development**

- enterprise-level apps.

- **DevOps/Infrastructure**

- Chat bots, RPA, integrations, etc.

- **Automation**

- Chat bots, RPA, integrations, etc.



- **Data mining and analytics**

- In-house Scrapping technology, Providers integration, ML algorithms, Visualisation etc.

- **Artificial intelligence**

- Custom models, local processing, cloud integration, LLMs, CV, etc.

# Software development

- fullstack web
- high-load services
- microservices
- API integrations
- system architecture

## • Backend

- *.NET, Python, JS (Bun, Node).*
- *BaaS based (Supabase).*
- *RestAPI and GraphQL.*
- *Realtime.*
- *Streaming.*

## • Web Apps

- *PWAs (native like) for IOS, iPadOS, Android, MacOS, Windows, Linux ([X.org](#) and Wayland)*
- *Telegram Mini Apps.*
- *Native WebView integration.*

## • Frontend

- *SPAs and MPAs.*
- *Hybrid rendering and SEO-friendly.*
- *JS ecosystem (mostly Vue JS and EJS).*
- *WebGPU/WebGL enabled 3d graphics*  
*(like interactive 3d-avatars for interaction with AI).*

## • Chat Bots

- *Telegram.*
- *WhatsApp (custom gateway).*
- *AI-enabled.*

## • Automation

- *CRM/ERP systems.*
- *automation bots.*
- *chat robots.*
- *RPA.*



# Data and analytics

## Key Services & Benefits

### • Data Visualization & Reporting

- Comprehensive, custom dashboards and reports to help you make data-informed decisions in real time.

### • Predictive & Prescriptive Analytics

- Utilize our models to anticipate market trends, optimize operations, and make proactive business choices.

### • Customized Data Solutions

- From large-scale data aggregation to granular analysis, we deliver solutions that align with your goals and add measurable value.

### • Local knowledge systems

- Building corporate AI-enabled knowledge systems in isolated or hybrid environments ensuring data protection.



## Our Unique Approach

### • Ethical Proprietary Scraping Technology

- Developed in-house, our ethical scraping technology adheres to the highest standards of compliance and responsibility. This enables us to collect valuable data insights from any source without compromising on data integrity or user privacy.

### • Advanced Data Processing with Machine Learning

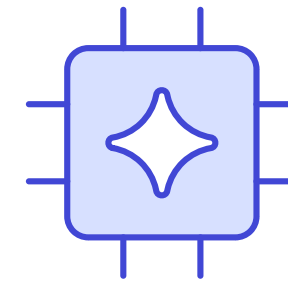
- Leveraging state-of-the-art ML algorithms, we transform raw data into meaningful insights, uncovering hidden patterns, trends, and predictions. Our ML-driven data processing allows us to offer predictive analytics, anomaly detection, and personalized recommendations tailored to your industry needs.

# Artificial Intelligence



## Development:

Robust training methodologies ensuring accuracy and reliability.  
Utilization of diverse datasets for well-rounded model training.



## Integration:

Seamless integration of AI models into existing business systems.  
Support for various platforms and technologies.



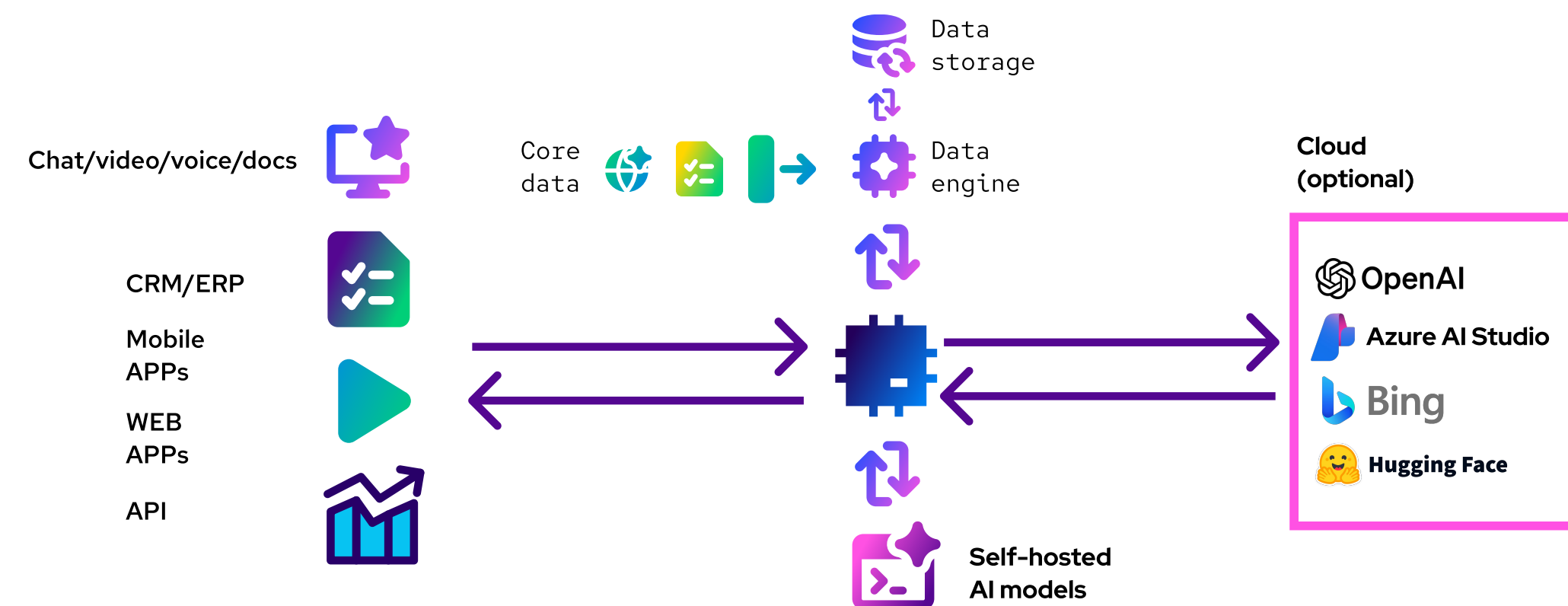
## MLOps:

Continuous monitoring, management, and updating of AI models.  
Ensuring models evolve with your business and market changes.

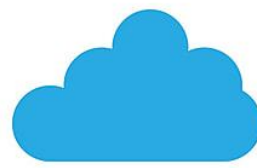


## Safety:

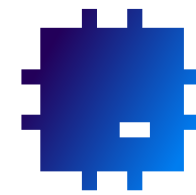
Fully isolated or hybrid AI systems to ensure corporate data protection.



# Infrastructure and DevOps



- Git configuration
- hybrid cloud deployment
- server/network configuration
- docker/K8S setup
- hypervisor setup

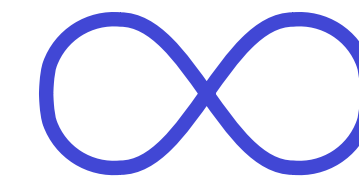


- performance tuning
- database configuration
- storage optimisation
- security hardening
- monitoring



## • Containerization & Virtualization

- *Kubernetes (K8s) & MicroK8s:* Efficient and scalable orchestration for containerized applications.
- *Docker:* Simplified application deployment and consistency across development and production.
- *Hyper-V & KVM Setup:* Robust VM environments, offering flexibility and compatibility across platforms.



## • Continuous Integration & Continuous Deployment (CI/CD)

- Automated pipelines for streamlined deployment, testing, and updates—ensuring faster and more reliable releases.

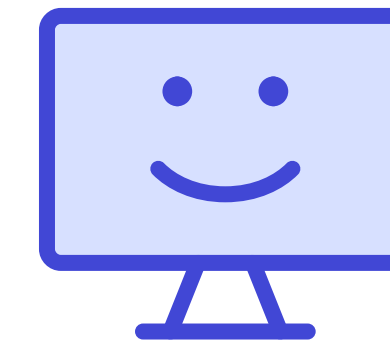
# Research



working with universities

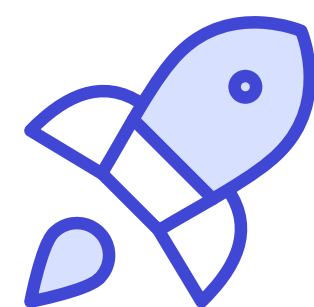


network solutions for safe and borderless world



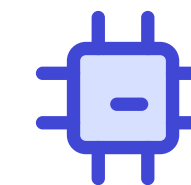
exploring ways to reuse older hardware: from PCs to mining farms

For example, custom drivers for AMD Polaris GPU architecture to run ai workloads



helping startups

With DevOps, Infrastructure, App builds and system architecture



runtime efficiency, security and compatibility optimisation for existing technologies



# Our stack

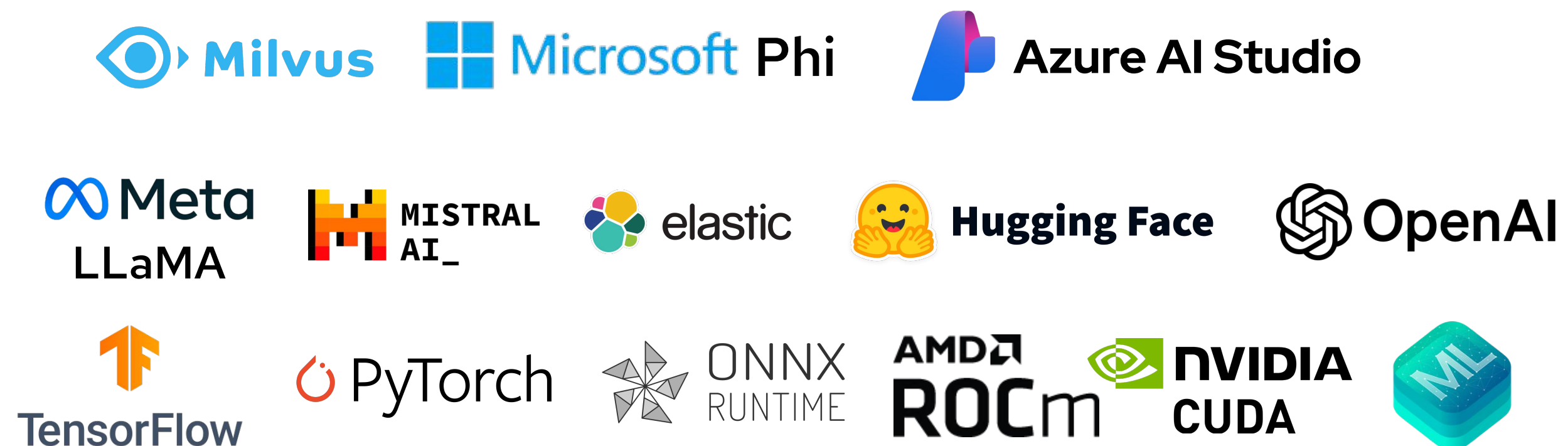
## DEV



## INFRASTRUCTURE



## AI/ML



# Some Cases

- **DevOps and System Design**

- *We built and supported infrastructure for qkeruen startup.*

- **DevOps and consulting**

- *We developed custom deployment pipelines for WBS system, helping them now in system architecture.*

- **Customer support system**

- *We created crm system for Wildberries and OZON seller with high-end customer support module.*

- **Low-latency virtual networks**

- *We created high-bandwidth low-latency UDP-native virtual networks between Kazakhstan, China and Russia.*

- **Building e-commerce apps**

- *We created e-commerce ecosystem for Chinese partners Evervision Consulting.*

- **Mass Media analytics**

- *We developed customised system for analytics of mass media resources for Uzbekistan Government.*

- **3D-avatars**

- *We collaborated with NeoAI to create interactive 3D avatars that leverage advanced AI for immersive user experiences. These avatars can be deployed in applications like virtual assistants and customer service bots*



- **Local GPU Processing in Central Asia**

- *Exclusive Partnership with Cloupard.kz: As the first local provider of GPU processing in Central Asia, our collaboration with Cloupard.kz empowers businesses with high-performance computing resources, ideal for AI, data processing, and machine learning applications.*

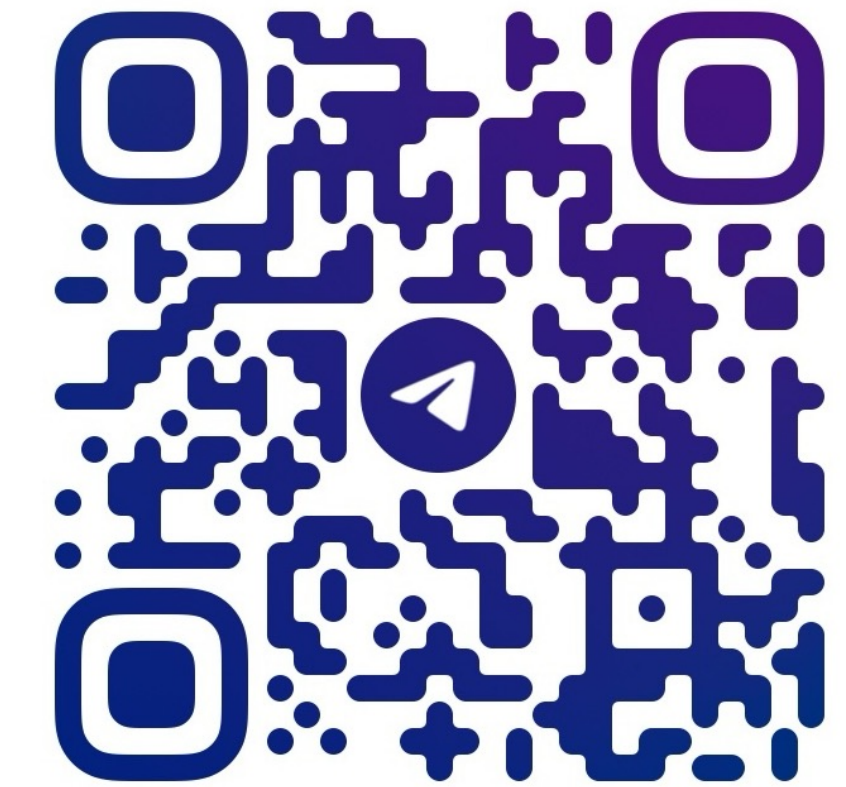
• **And MORE...**

# Contacts

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