Introduction

rite NRG

Rite NRG is a technology consultancy firm dedicated to assisting rapidly growing clients at various stages of development. We support software teams in accelerating product launches, offer developers with exceptional soft skills, and provide unmatched delivery consulting expertise. Our unique approach, termed '#riteway', enables us to seamlessly integrate with our client's team, adopt their culture, and introduce innovative solutions.

Truly partnership. I feel that we are in one organization. We work hard together and play hard together. There's no challenge we can't tackle. That gives me true safety. Rite NRG is a partner who really helps find a solution.

Michał Bartczak, CEO at Metapro

metapro

It is a ecosystem jointly crafted by Rite NRG and their client - Metapro -, represented by Michał Bartczak. Metapro provided the ideas, inspiration, and design concept for the ecosystem. Rite NRG responsibility was to ensure comprehensive delivery of the project. Rite NRG's Product Owner and Architect began by, in collaboration with the Metapro, performing an in-depth conceptual assessment to confirm the technical requirements and define the main features of the product.

Rite NRG exists to holistically manage the heart of delivery, allowing our clients to focus solely on their business. Together, we built a unified team, and this collaborative approach proved to be exceptionally successful with Metapro.

Michał Nikołajuk, CEO at Rite NRG

Problem

Metapro identified a technological barrier
in the rapidly growing Web3 market involved in
the development of games and metaverse apps.

Game developers

Developers face challenges due to limited
technical expertise and the high costs associated
with in-game on-chain development tools.

Users

The lack of user-friendly tools creates a
barrier to entry into the world of games and
metaverse apps base on Web3 technologies.

It facilitates user engagement
and assists developers in
seamless onboarding.

metapro provides an extensive
ecosystem for Web3 integration into
games and apps.

Product

Revenue engine

games marketplace | meta assets minting | assets trading

User experience

🔲 non-custodial wallet

🚀 games launcher

🎮 web3 game arena

**multichain
web3 games
protocol**

Developer experience

⚙️ Blockchain Data API

📦 Unity SDK

🗄️ Games Data

Infrastructure

sidechain index node | decentralized storage

Business model

B2B model

- ☑ **Implementation fees**
- ☑ **Access to developer tools fees**
- ☑ **Fees for access to on-chain data**
- ☑ **Fees for access to on-chain data**

B2C model

- ☑ **Marketplace fees**
- ☑ **Non-custodial wallet transaction fees**
- ☑ **Blockchain transaction fees**
- ☑ **Launcher fees**
- ☑ **Fees for selling game access or gaming assets from the launcher**
- ☑ **User-end tools fees**

Team

Michał Bartczak
Product Owner

Marcin Wojcieszkiewicz
Sales and Marketing

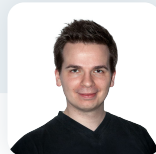**Michał Nikołajuk**
Client Success Leader
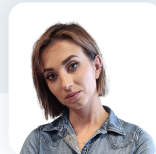
Development

J. Zając
Solution Architect

J. Antczak
Frontend Lead Developer

P. Góźdź
Backend Lead Developer

A.Fejklowicz
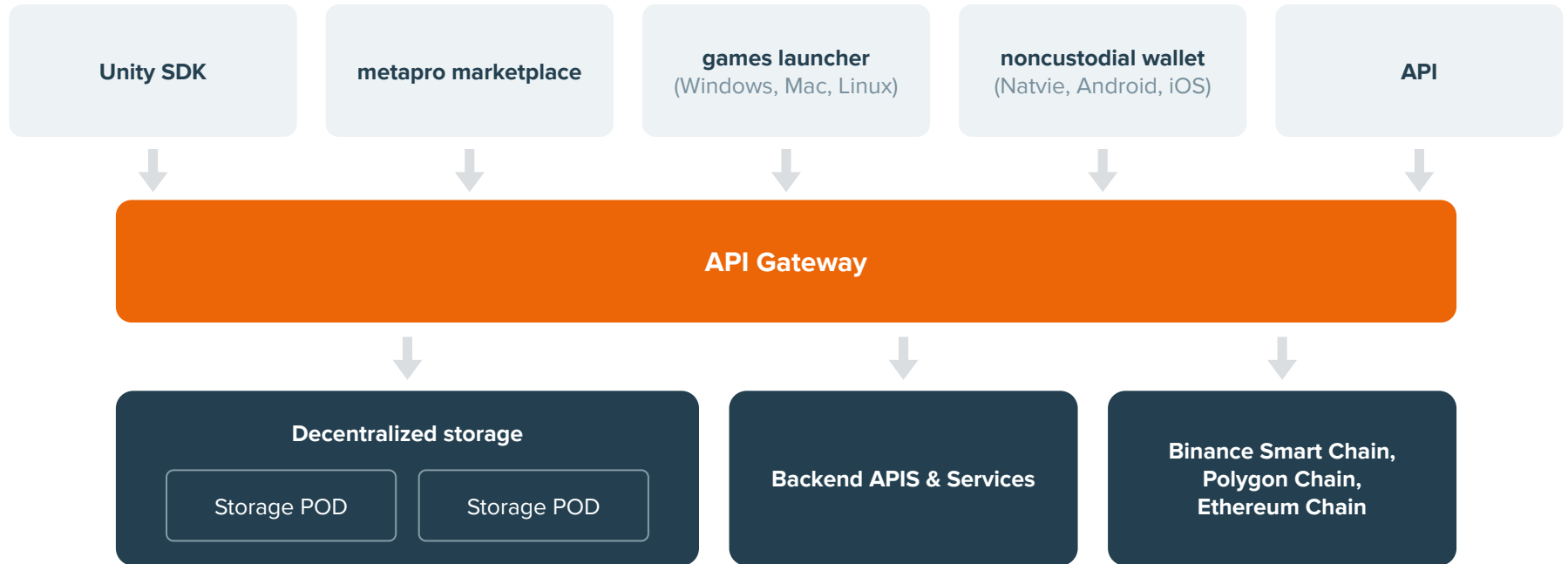Unity & VR Lead Developer

M. Szwed
Proxy Product Owner

UX & UI

F. Zygmunt
Art Director

and others

High level solution architecture

| Unity SDK | metapro marketplace | games launcher (Windows, Mac, Linux) | noncustodial wallet (Natvie, Android, iOS) | API |

API Gateway

Decentralized storage

Storage POD   Storage POD

Backend APIS & Services

Binance Smart Chain, Polygon Chain, Ethereum Chain

Technology / Analytics / ML

Cloud data

Azure

Decentralized storage

Blockchain data

Technologies we use

C# WJS Unity React SOLIDITY TS TypeScript Java Python R libp2p

Continuous Integration, Continuous Delivery

Built on the robust foundation of Azure Cloud, our product harnesses the power of the Azure DevOps platform combined with the git flow approach.

Main Branch

- Holds production-ready code.
- Merges come from thoroughly vetted and tested branches.
- Specific commits to signify different versions or releases.

Develop Branch

- Houses pre-production code and newly developed features undergoing testing.
- New features are branched from and later merged back into the develop branch after testing.

Supporting branches

Feature Branch

- Used for incorporating new features.
- Separate from the develop branch during feature development, then merged back post completion and review.

Release Branch

- Dedicated to new product releases.
- Involves minor bug fixes and final touches specific to launching new code, separate from the primary development stream.

Hotfix Branch

- Addresses critical changes for the main branch.

01. Backend (Azure)

☑ **Azure App Insights**

Offers comprehensive application monitoring, ensuring real-time visibility into app performance, user behavior, and potential anomalies.

☑ **Azure Cloudfront WAF**

Provides a robust web application firewall, safeguarding our application from potential threats and vulnerabilities.

02. StoragePOD

☑ **Prometheus & grafana**

Prometheus and Grafana are popular tools for IT operations monitoring and visualization. Prometheus collects metrics from various sources, while Grafana provides user-friendly dashboards for data analysis, enhancing system health and performance monitoring.

☑ **ELK**

The ELK stack is a popular log management and analysis solution. It includes three key components: Elasticsearch for log storage and indexing, Logstash for log collection and processing, and Kibana for user-friendly log data visualization and analysis.

Operations

Plans and roadmap

☑ Continuous improvement

based on our implementations.

☑ Expansion of BD and implementation departments

to facilitate the deployment of technology to a larger volume of consumers.

polygon labs

BNB CHAIN

AMD

ESE

☑ Scaling key partnerships

such as Polygon Labs, Binance, AMD and ESE Entertainment as well as acquiring new partners from the gaming and esports markets.