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## Introduction

DeFi game with crypto, NFT Marketplace and Open World.

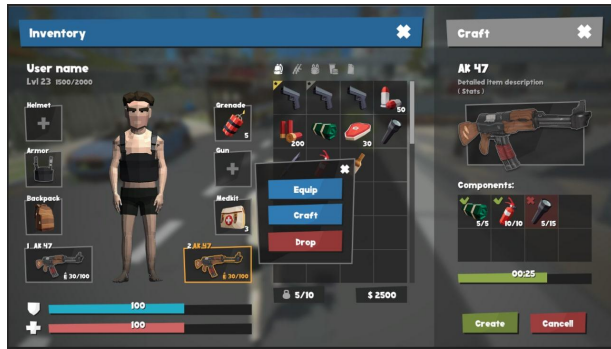
## Project Overview

Free-to-play, cross-platform multiplayer game with NFT Marketplace where supply and demand are controlled by users. Earn money on everything! Buy/sell items on NFT Marketplace, improve your character and sell their Skill Points! Open World is divided into three zones (FARM, PVP, PVE), where everyone will find something to do.

- FARM zone - Safe area.
  - Free item storage
  - Free craft table, upgrade items level, repair
  - NFT Marketplace
  - NPC Marketplace
  - NPC quests
  - Private island - build own FARM invite friends and get benefit
- PVE zone - Pseudo safe area. Divided into sub-zones with different levels of enemies. Level of enemies depends on the value of loot from them.
  - Resource extraction (wood, plants, fabric, meat etc.)
  - Mining ores (stone, metal, gold etc.)
  - Completing NPC quests
  - Enemies (wild animals, zombies)
- PVP zone - Danger area. Battle of players and death bounty, rare resources and zombies.
  - City 1 (MIDDLE) - low concentration of zombies, low chance of spawning zombie bosses
  - City 2 (HARD) - high concentration of zombies, high chance of spawning zombie bosses
  - Battle of players
  - Zombies
    - Default zombie
    - Fast zombie - fast movement speed and default power
    - Strong zombie - strong and default movement speed
    - Boss zombie - fast and strong

Polygonum Online - combines three game modes in one game, on a single world. Everyone can find their own style of play and earn in the process.





## Key features

- POG Coin (POG) - governance token
- Skill Point (SP) - in-game token
- Cross-platform - PC, Mobile, Browser
- NFT + NPC Marketplace
- Guild Wars
- Open World with zones (FARM, PVP, PVE)

## Product viability

There are no 3D shooter games with crypto. Polygonum Online occupies an intermediate position between game segments - with CRYPTO and WITHOUT. First about WITHOUT crypto - they are online games for example: Rust, PUBG, some FARMS etc. Second about CRYPTO games for example: Axie Infinite, CryptoBlades, Mobox . People like to play and earn real money. But most crypto games have browser 2d versions, they are very different from the current game market WITHOUT crypto.

Comparison of competitors with Polygonum Online:

### Polygonum Online VS Rust:

Rust (not crypto) - survival with an open world and huge community. Polygonum Online - survival shooter with a wider audience (FARM, PVP, PVE) and tokens reward during the process of the game.

### Polygonum Online VS My Neighbor Alice:

My Neighbor Alice - buy your own island, build a farm. Polygonum Online - stake tokens and get your own farm with real reward in tokens.

## Polygonum Online VS PUBG:

PUBG (not crypto) - best battle royale, on the mobile version, over 10 million users. Polygonum Online - get reward for each kill. Drop valuable items and resources for crafting, which are converted to tokens.

## Polygonum Online VS DEX

DEX - anonymity, decentralization, benefit mechanisms. Polygonum Online - anonymity, decentralization, a large number of income mechanisms, including real FARM with cows and seeds. On DEX you can exchange Bitcoin-USDT, on Polygonum - AK47-POG with an order book and AK47 u can craft before. It's easier than mine Bitcoin.

Polygonum has the best of the two worlds and is unique as a shooter-crypto game with simple interface, understandable mechanics and strong community.

## Technology

- Unity Engine - cross-platform client for PC, mobile and browser versions
- Binance Smart Chain (BSC)
- Nodejs

## Token economy

Ecosystem within the game uses an in-game token and a governance token.

- Token1 (governance token) - POG Coin (POG)
- Token2 (in-game token) - Skill Point (SP)

Commissions in the game will be controlled by the players by voting. Weight of the voice will depend on the volume of staked Token1.

- Token1
  - NFT marketplace + % commissions
  - Upgrade items + % commissions
  - Staking to get NFT items, voting
- Token2
  - FARM zone
    - Rewards from FARM
    - Autofarm
    - Island for staking
  - PVP zone rewards
  - Mining gold ore = token
  - NPC quests rewards
  - NPC Marketplace (not NFT)
  - Repair items
- Token1 + Token2
  - Skill system - payment for the possession of the skill. Each skill has 5 levels. Levels improve performance and provide access to high-level items
    - 1-3 level - Token2

- 4-5 level - Token1 + Token2

## Token distribution

- Private/Seed Round - 17,5%
- Seed SHO round - 1,5%
- Public Round - 3,5%
- Team - 12%
- Advisors - 7,5%
- Game farming/mining - 30%
- Liquidity - 15%
- Marketing - 8%
- Treasure - 5%

## Token release schedule

- Private/Seed Round 17,50% TGE 15%, cliff 3 months, then 5,66% monthly
- Seed SHO round 1,50% TGE 20%, then 20% linearly
- Public Round 3,50% TGE 20%, then 20% linearly
- Team 12,00% Cliff 12 months, then 20% every 3 month
- Advisors 7,50% Cliff 6 months, Months 7,10,13,16 - 10%, Months 19,22,25, - 20%
- Game farming/mining 30,00% Cliff 1 month, then 2.9% monthly
- Liquidity: 15% TGE 26%, then 3 month 3%, then 5% monthly
- Marketing 8,0% TGE 10%, cliff 3 month, then 10% every 3 month
- Treasure 5,0% Cliff 12 month, then 20% every 3 month

## Monetization

NC - a floating value, the result of the community vote. Weight of the vote depends on the number of staked governance tokens.

Name	Description	Income
NFT Marketplace	Commissions from any order (purchase or sale)	2%
NPC Marketplace	Buy/sell of non NFT components (ammo, bandages, first aid kits, etc.), commissions	2%, n/a
Craft, repair, upgrade items	Commissions for operations	NC
Battle-pass	Access to new contents: quests, unique NFT items and rewards	NC

## Team

- Nikita Marcus (CEO + CTO) - CEO Marcus Capital, founder Marcus Studio. Fullstack Nodejs developer for 4 years.
  - Telegram: <https://t.me/nikitamarcus>

- Github: <https://github.com/nikitamarcus>
- Andrey Rusanov (COO + CMO P/T) - Private Banking for 4 years. Stock market trader for 6 years on NYSE, NASDAQ, MOEX and Binance.
  - Telegram: <https://t.me/aarusanov>
- Alexander Pykhtya (Marketing Assistant) - 4 years in marketing, 3 years in crypto.
  - Telegram: <https://t.me/dzirtnk>
- Marcus Studio - Game and Web development with expertise:
  - Game development - 2 game devs with 6 years of experience each. Key areas of expertise include: C#, Unity.
  - Game designer - 3 years work with commercial projects.
  - Game UX/UI designer - 4 years.
  - Level design - 5 years of experience in level design. 4 years in PC, Mobile and VR game level development in the company X-tech and Arloopa (Level Designer) and in the company NDIGITEC (Senior Level Designer).
  - Web and Blockchain development.

## Partners

- DAO Maker
- Icetea Labs
- Morningstar Ventures
- Marcus Capital
- IDOResearch Ventures
- Metrix Capital
- ZBS Capital
- Raptor Capital
- Kyros Ventures
- ReBlock
- MoonBoots
- 111PG
- Skynet Trading

## Roadmap

- Q3/21
  - MVP (Open World, controller, game mechanics, items, multiplayer)
  - Social networks (Twitter, Telegram, Medium, Discord, Youtube)
- Q4/21
  - Smart Contract (governance token)
  - Smart Contract (in-game token)
  - IDO
  - Release NFT in-game items
  - Staking
  - NFT Marketplace
- Q1/22
  - Mining ores
  - Increasing the amount of game contents (15 types of weapon, animals)
  - Agility of characters (balance, crawl, dodge, hang, ledge, strafe, roll, vault)
  - Climbing (free climb, ladder climb, short climb)

- Private island (own FARM)
  - Pens for animals
  - Animals FARM
  - Growing plants
- Alpha release: Demo PC version
- Q2/22
  - Autofarm
  - Increase performance for cross-platform version
  - NPC quests
  - Skill system
  - Guilds + voice chat
  - Guild Wars
- Q3/22
  - Craft + Repair + Upgrade items
  - Battle-pass
  - World bosses
  - Building system (buildings, fences)
- Q4/22
  - Tournaments
  - Horses, transport (boats, motorcycles, cars)
  - Mobile version
- Q1/23
  - Browser version
- Q2/23
  - Virtual reality (VR)



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