MYHAYLO IVAT

Senior Game and Blockchain developer

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🔗 https://github.com/blockwizard777   📍 Lviv, Lviv, Ukraine

SUMMARY

As a **Game and Blockchain Developer**, I specialize in creating innovative gaming experiences that leverage blockchain technology.
I utilize game engines **Unity** and **Unreal Engine** to design immersive game worlds and implement **NFTs (Non-Fungible Tokens)** for unique in-game assets.
I am integrating **Web3** technologies to enable seamless interactions between players and blockchain networks, ensuring secure ownership and transfer of digital assets.
My understanding of **DeFi (Decentralized Finance)** mechanics allows me to create engaging game economies, integrating features like tokenomics and staking rewards.

PROFESSIONAL EXPERIENCE

Senior Game and Blockchain developer

eArtisan

📅 03/2023 - 08/2024   📍 Montreal, Canada Area

eArtisan is a pioneering game development studio focused on creating innovative and immersive gaming experiences powered by cutting-edge technology, including Unreal Engine and blockchain integration.

- I led the development of immersive digital experiences by integrating Unreal Engine with Hedera wallet technology.
- In this project, I developed a secure, decentralized application (dApp) that allows users to seamlessly interact with blockchain assets via the Unreal Engine environment.
- I employed the Hedera SDK for wallet creation, transaction handling, and account management. Additionally, I optimized blockchain transaction workflows by incorporating HBAR micropayments and Hedera Token Service (HTS) functionalities, ensuring low-latency and cost-efficient operations.
- Configuring wallet integration with player authentication systems.
- Implementing smart contract call from Unreal to Hedera for in-game asset and rewards.
- Managing secure tokenized transactions using the Hedera Consensus Service (HCS).
- Developing scalable solutions for user interaction with digital assets via the Hedera ecosystem, ensuring interoperability and high transaction throughput within the Unreal Engine-based platform.

Game and Blockchain Developer

DexBattle

📅 05/2021 - 01/2023   📍 New York, NY

DexBattle Campany is an innovative gaming company specializing in the development of blockchain-based games.

- **Developed blockchain-based gaming mechanics**: Designed and implemented smart contracts and decentralized applications (dApps) to facilitate in-game transactions and asset ownership on the blockchain.
- **Collaborated in a multidisciplinary team**: Worked closely with game designers, artists, and other developers to create engaging gameplay experiences while ensuring seamless integration of blockchain technology.
- **Optimized game performance**: Analyzed and refined game mechanics to enhance player engagement and retention, utilizing analytics to inform decisions.
- **Implemented cross-platform functionality**: Ensured that games were accessible across various devices and platforms, focusing on user experience and accessibility.
- **Engaged with the community**: Interacted with players to gather feedback, promote features, and enhance the overall game experience, contributing to the growth of the game's community.
- **Stayed updated with industry trends**: Researched and applied emerging technologies in blockchain and gaming to keep the project innovative and competitive.

PROFESSIONAL EXPERIENCE

Senior Blockchain Developer

Hubble Protocol

📅 02/2020 - 02/2021   📍 London, United Kingdom

Hubble Protocol is a cutting-edge decentralized finance (DeFi) platform that aims to provide innovative solutions for borrowing, lending, and liquidity management on the blockchain.

- **Developed decentralized finance (DeFi) protocols**: Contributed to the design and implementation of innovative DeFi solutions, enhancing the functionality and security of the Hubble Protocol ecosystem.
- **Smart contract development**: Wrote and deployed smart contracts using Solidity and Rust, ensuring efficient and secure transactions on the blockchain.
- **Implemented zero-knowledge proofs**: Focused on integrating zero-knowledge proof (ZKP) technologies to enhance privacy and scalability within the Hubble Protocol.
- **Collaborated on cross-functional projects**: Worked alongside product managers, front-end developers, and security experts to deliver robust, user-friendly applications that meet market demands.
- **Conducted rigorous testing and audits**: Participated in the testing and auditing of smart contracts and protocols to ensure security and performance, minimizing vulnerabilities and enhancing overall system integrity.
- **Engaged with the community**: Interacted with users and developers to gather feedback, address concerns, and promote new features, fostering a strong community around the protocol.
- **Researched and implemented best practices**: Stayed informed about industry trends, emerging technologies, and best practices in blockchain development to continuously improve protocol functionality and security.

EDUCATION

Bachelor of Computer Science

University of British Columbia

📅 04/2011 - 07/2016

LANGUAGES

English
Proficient   ●●●●○

SKILLS

BACKEND

| Node.js | Express.js | Python | Django | Flash | PHP | Laravel | Java | Spring Boot | Go | C# |

FRONTEND

| Angular | React | Vue | Next | Nuxt | Svelte | MUI | Tailwind CSS | Chakra UI |

DEVOPS

| AWS | Docker | Kubernetes | Git | Unit Testing | CI/CD |

DATABASE

| MYSQL | MongoDB | PostgreSQL | SQLite | FireBase | IPFS |

BLOCKCHAIN

| Blockchain | Solana | Solidity | Clarity | Web3 | Web3.js | Ether.js | Stacks.js | GraphQL | Truffle |
| Hardhat | Golang | C/C++ | Rust | Ethereum | NFT |

GAME DEVELOPMENT

| Unreal Engine | Unity 3D | C/C++ | Blueprints | UI/UX tool | C# |