**Evans Musonda**

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**SUMMARY**

Experienced Full-Stack Developer with over 6 years of expertise in designing and building scalable web applications and blockchain solutions. Proficient in Node.js, React, Next.js, and Web3.js, with a strong focus on developing NFT marketplaces, smart contracts, and decentralized applications (DApps).

**PROFESSIONAL EXPERIENCE**

**Pink Moon Studios**, Amsterdam, NetherlandsNov 2022 – Nov 2024

**Web3 Full Stack Developer**

* Contributed to the development of Kryptomon's blockchain-based Play-to-Earn game, integrating Web3 functionalities with React and Next.js for seamless user experiences.
* Designed and deployed smart contracts for NFT creatures, marketplace transactions, and in-game features using Solidity and ERC-721 standards.
* Designed and developed a decentralized NFT marketplace for trading in-game assets, utilizing React, Next.js, and Web3.js for seamless integration with blockchain technology.
* Implemented backend services using Node.js to manage gameplay logic, data storage, and real-time game mechanics.
* Integrated cryptocurrency payment systems and wallet connection features to support secure in-game transactions.
* Enhanced gameplay and user interaction by optimizing API calls and integrating blockchain event listeners.
* Collaborated with cross-functional teams to deliver new features and improvements, maintaining high scalability and performance standards.

**Bitsport**, Dubai, United Arab EmiratesJan 2021 – Oct 2022

**Full Stack | Blockchain Developer**

* Participated in developing Play-to-Earn web game applications using React, Next.js, and Web3.js/Ethers.js for Ethereum integration.
* Built and deployed smart contracts for Genesis NFTs, Pode, and a marketplace, utilizing ERC-721 instead of ERC-1155.
* Integrated blockchain wallets like MetaMask and WalletConnect for seamless user onboarding, asset management, and staking functionality.
* Built responsive and engaging user interfaces with React.js/Next.js, ensuring a smooth and intuitive experience for gamers and pool participants.
* Built responsive and engaging user interfaces with React.js, ensuring a smooth and intuitive experience for gamers and pool participants.
* Optimized back-end architecture with Node.js and MongoDB to support high volumes of concurrent users during peak gaming tournaments.
* Collaborated with game developers and blockchain experts to integrate third-party gaming APIs and NFT functionalities for player rewards.
* Created gamified tokenomics models to incentivize user engagement, retention, and fair competition within staking pools.
* Tested and deployed smart contracts using Truffle and Hardhat, ensuring error-free execution and compatibility with blockchain networks.

**Datarockets**, Toronto, CanadaJan 2019 – Dec 2020

**Web Developer**

* Participated in building scalable web applications using Node.js for the backend and React.js for the front end, delivering seamless user experiences.
* Developed dynamic and interactive user interfaces using React.js, optimizing components for performance and reusability.
* Implemented authentication and authorization mechanisms using JWT and OAuth2, ensuring secure user data management.
* Integrated with various databases, including MongoDB and PostgreSQL, optimizing schema design and query performance.
* Automated deployment processes using Docker and Jenkins, improving development efficiency and reducing time-to-market.
* Participated in Agile ceremonies, including sprint planning, daily standups, and retrospectives, contributing to successful project deliveries.

**EDUCATION**

**National University of Singapore,** SingaporeApr 2014 – Sep 2018

Bachelor of Engineering - BE, Computer Software Engineering

* Software engineering
* Data Structures and Algorithms
* SOLID Principles
* Object-oriented Programming
* C# programming
* Operating Systems
* Database Systems

**SKILLS & OTHER**

**Blockchain:** NFT marketplace, Smart contracts, decentralized applications (dapps), Solidity, ERC-721, ERC-1155, hardhat, truffle, ganache, alchemy, infura, waffle

**Backend:** Node.js, Express.js, Nest.js, RESTful APIs, GraphQL, Microservices, Serverless Architecture

**Frontend:** React.js, Redux, HTML5, CSS3, JavaScript (ES6+), TypeScript, Bootstrap, SASS

**Databases:** MongoDB, MySQL, PostgreSQL, Redis

**Version Control:** Git, GitHub, Bitbucket

**Security:** JWT, OAuth2, Data Encryption, Secure API Design, XSS/CSRF Protection

**Testing & Debugging:** Jest, Mocha, Chai, Cypress, Postman, Waffle

**DevOps & CI/CD:** Docker, Kubernetes, Jenkins, GitLab CI, AWS (EC2, S3, Lambda, RDS)

**Others:** WebSockets, Asynchronous Programming, API Integration, Agile/Scrum Methodologies