Kate
Senior Blockchain developer / Software Engineer

SUMMARY

- Blockchain developer / Software Engineer with 5 years of experience in the field. - Proficient in programming languages such as Solidity, Rust, and Python. - Extensive knowledge and experience in blockchain technologies including Ethereum, Optimism, Waffle, Truffle, and Ganache. - Skilled in backend development using frameworks like Django, Django Rest Framework, and FastAPI. - Experienced in working with databases like PostgreSQL and MongoDB. - Proficient in cloud services and DevOps tools such as AWS, Docker, and Docker Compose. - Strong expertise in version control systems like Git and collaboration platforms like Bitbucket and GitHub.

TECHNICAL SKILLS

Main Technical Skills	Rust (2 yr.), Python (4 yr.), ETH (Ethereum blockchain) (3 yr.), DAO (2 yr.)
Programming Languages	Python (4 yr.), Rust (2 yr.)
Rust Frameworks	Actix Web (2 yr.)
Databases & Management Systems / ORM	MongoDB (2 yr.)
BlockChain and Decentralized Software	DAO (2 yr.), EIP (5 yr.), ERC-20 (5 yr.), ETH (Ethereum blockchain) (3 yr.), IPFS (InterPlanetary File System) (3 yr.), OpenZeppelin (4 yr.), Smart Contract (4 yr.), Tokio (2 yr.), Truffle (2 yr.), Uniswap (4 yr.), Web3 (4 yr.)
Other Technical Skills	Diesel (2 yr.), Hard Hat (4 yr.), Slither (2 yr.), Solhint (2 yr.), Waffle (4 yr.)

WORK EXPERIENCE

Blockchain developer / Software Engineer, Platform for investment

Duration: 07.2021 - Till now
Summary:

- Platform for investment in digital assets
- The De-Fi platform combines a variety of broad functionality that makes it easier to work, the automation of many functions makes the user's work easier

Responsibilities: Design blockchain architecture; Design application architecture; Backend development; Creating Solidity smart contracts; Documenting blockchain development processes and complying with best practices in data protection; Ensuring data privacy, encryption, and secure transaction processing; Utilize AWS S3 for storing backups and

archives; Connecting AWS Lambda with AWS S3 triggers; Develop and deploy smart contracts that govern the rules and operations of the DAO; Implement multi sign functionality; Creating scripts and files for automating tasks and packaging and deploying applications in containers; Conducting thorough testing and auditing of payment-related components to mitigate potential risks; Analyzing, refactoring and optimizing smart contracts for improved gas efficiency for data-driven insights; Developing serverless functions using AWS Lambda for event-driven architecture; Conducting regular security audits to identify and address potential vulnerabilities in the backend infrastructure; Help other developers with smart contracts; Signature EIP-712 implementation; Implement ERC-20 tokens; Develop custom algorithms; Mentoring and onboarding new developers; Preparation of contracts for the audit; Code review.
Technologies: Solidity, Python, FastAPI, SQLAlchemy, Pydantic, Alembic, Waffle, HardHat, ProxyContract, Uniswap, OpenZeppelin, Optimism, Slither, Solhint, Wallets integrations (Metamask, Trust), Ganache, EIP-712, ERC-20, AWS(Lambda, S3, SQS, API Gateway, SNS, CloudWatch, CLI, etc.), Docker, Docker Compose, Bitbucket

Blockchain developer / Software Engineer, NFT platform

Duration: 05.2020 - 07.2021
Summary:

- The NFT platform, the idea of the facilities themselves is baseball, they will also be divided into several seasons
- A platform token has been introduced (NFT can be bought only for this token)
- The token itself is algorithmically regulated, that is, an algorithm is embedded inside the smart contract that controls the supply/demand of the token on the market

Responsibilities: Blockchain development; Backend development; Maintaining and updating the smart contract code and documentation as needed; Analyzing and improving the efficiency and speed of transaction processing within the blockchain network; Setting up monitoring of AWS resources and services using AWS CloudWatch; Configuring AWS EC2 instances; Conducting comprehensive analysis of token inflation models and their impact on the ecosystem; Optimizing and securing smart contracts involves refining code efficiency, reducing costs, and fortifying against security risks; Add new feature to existing Solidity part; Solving security problems in existing contracts; Optimizing performance and gas usage; Deploy NFT on Ethereum Network; Blockchain testing and integration
Technologies: Solidity, Python, Django, Django Rest Framework, HardHat, ProxyContract, Uniswap, OpenZeppelin, Ethereum, IPFS, ERC-20, ERC-721, web3.py, Wallet integrations (Metamask, Trust), AWS(Lambda, S3, SNS, SQS, CloudWatch, CLI, ECS, EC2, etc.), PostgreSQL, Docker, Docker Compose, Github

Blockchain developer / Software Engineer, NFT project

Duration: 08.2018 - 05.2020
Summary:

- An NFT project includes a collection of 10k randomly generated characters with smart contract-side complications like referral system and price growth that depends on the number of tokens purchased
- Future plans include GameFi logic implementation

Responsibilities: Consulting on tokenomics and marketing; Complicated smart contracts structures development; Optimizing API performance and scalability through monitoring, load testing, and performance tuning; Create technical and API documentation using required standards; Participate in the entire application lifecycle, focusing on coding and debugging; Blockchain development and integration; Develop custom algorithms; Smart contracts protection

Technologies: Solidity, Rust, Tokio, Cargo, Actix Web, Diesel, PostgreSQL, MongoDB, rust-mongodb, rust-crossbeam, Ethereum, IPFS, Ganache, Wa Truffle, ProxyContract, OpenZeppelin, Wallets integrations (Trust, Phantom), Docker, Docker Compose, Github

EDUCATION

- **Computer Science and Software Engineering**