# Taras
# Senior Blockchain Developer / Software Engineer

## SUMMARY

- Experienced Blockchain Developer / Software Engineer with 6 years of experience in crypto financial and DeFi domains. - Proficient in programming languages such as Solidity, Python, and JavaScript. - Strong expertise in blockchain technologies including Uniswap, Ethereum, Polygon, SSV.Network, and wallet integrations. - Skilled in backend development using frameworks like FastAPI, Flask, and Node.js. - Familiar with message brokers like Kafka and cloud platforms like AWS and Azure. - Proficient in DevOps tools like Docker, Kubernetes, and Helm. - Experienced in working with databases like PostgreSQL, MongoDB, and DynamoDB. - Strong knowledge of source control systems like Git, Bitbucket, and GitHub. - Demonstrated ability to design REST API schemas and architect DAO systems. - Proven track record in blockchain development, smart contract optimization, and security audits. - Experienced in setting up and configuring network parameters and implementing identity and access controls. - Proficient in setting up CI/CD pipelines and conducting code reviews. - Skilled in implementing and managing smart contracts compliant with relevant laws and regulations. - Experienced in optimizing storage and computation within smart contracts to minimize transaction costs. - Strong knowledge of SDLC, software development practices, and software engineering principles. - Excellent communication and team collaboration skills. - Computer Science and Software Engineering education background. - Proven ability to find common language with the team and lead on various projects.

## TECHNICAL SKILLS

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| **Main Technical Skills** | Python (3 yr.), ETH (Ethereum blockchain) (3 yr.), Solidity (6 yr.), DAO (3 yr.) |
| **Programming Languages** | JavaScript (3 yr.), Python (3 yr.), Solidity (6 yr.) |
| **Python Libraries and Tools** | Alembic (4 yr.), Pydantic (2 yr.) |
| **JavaScript Libraries and Tools** | ES6 (3 yr.), Mongoose (3 yr.), Web3.js (2 yr.) |
| **JavaScript Frameworks** | Express (1 yr.), NestJS (1 yr.), Node.js (3 yr.) |
| **Python Frameworks** | FastAPI (2 yr.), Flask (1 yr.) |
| **Databases & Management Systems / ORM** | AWS DynamoDB (1 yr.), MongoDB (1 yr.), PostgreSQL (1 yr.), SQLAlchemy (4 yr.), Typeorm (3 yr.) |
| **Cloud Platforms, Services & Computing** | Azure (1 yr.) |
| **Amazon Web Services** | AWS API Gateway (5 yr.), AWS CloudWatch (5 yr.), AWS DynamoDB (1 yr.), AWS ECR (3 yr.), AWS S3 (5 yr.) |
| **Azure Cloud Services** | Azure Blockchain (6 yr.) |

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| **Blockchain and Decentralized Software** | Avalanche (2 yr.), Azure Blockchain (6 yr.), DAO (3 yr.), EIP (4 yr.), ERC-20 (6 yr.), ERC-721 (4 yr.), ETH (Ethereum blockchain) (3 yr.), Ganache CLI (4 yr.), Hardhat (3 yr.), IPFS (InterPlanetary File System) (4 yr.), OpenZeppelin (4 yr.), Polygon (2 yr.), Smart Contract (5 yr.), SSV.Network, Uniswap (4 yr.), Wallets (Integration & Transaction Signing) (5 yr.) |
| **SDK / API and Integrations** | AWS API Gateway (5 yr.), FastAPI (2 yr.), RESTful API (1 yr.) |
| **Version Control** | BitBucket (2 yr.), Git (6 yr.) |
| **Message/Queue/Task Brokers** | Celery (1 yr.), Kafka (1 yr.) |
| **Deployment, CI/CD & Administration** | Helm (2 yr.) |
| **QA, Test Automation, Security** | Jest (1 yr.) |
| **Virtualization, Containers and Orchestration** | Kubernetes (2 yr.) |
| **Other Technical Skills** | Embedded C++ (3 yr.), Slither (4 yr.), Solhint (4 yr.), Waffle (1 yr.), windows rds (2 yr.) |

## WORK EXPERIENCE

### Blockchain Developer / Software Engineer, Online blockchain gaming platform

**Duration:** 07.2021 - Till Now
**Summary:** Online blockchain gaming platform
**Responsibilities:** Design REST API schema; Design and architect the DAO system, outlining its structure and algorithm; Blockchain development; Backend development; Prepare a report summarizing audit findings and recommendations for improvement; Development of highly responsible parts of the system, related to payments sending and receiving; Managing Kubernetes(k8s) cluster; Identify and report security vulnerabilities; Develop custom algorithms; Blockchain integration; Implement and manage identity and access controls for network participants; Set up and configure network parameters, such as consensus mechanisms and membership criteria; Ensure that the smart contracts are compliant with all relevant laws and regulations; Optimize storage and computation within smart contracts to minimize transaction costs; Configure web-server and load balancer; Setting up CI/CD; Smart contract testing.
**Technologies:** Solidity, Python, FastAPI, SQLAlchemy, Alembic, Pydantic, Polygon, OpenZeppelin, ProxyContract, IPFS, Solhint, Slither, HardHat, Wallets integrations, Uniswap, ERC-721, ERC-20, EIP-712, web3.py, AWS(DynamoDB, API Gateway, S3, RDS, SNS, SQS, CloudWatch, ECS, ECR, EKS, etc), Docker, Docker Compose, Kubernetes(k8s), Helm, BitBucket.

### Blockchain Developer / Software Engineer, Play2earn game

**Duration:** 04.2020 - 07.2021
**Summary:** Play2earn game

**Responsibilities:** Blockchain development; Backend development; Conducting security audits to identify and fix any vulnerabilities in the smart contracts and the overall platform; Complicated smart contracts structures development; Designing, setting up, and maintaining databases on AWS RDS; Customize transaction execution; Collaborated with designers team; Monitoring the network's health and performance, troubleshoot issues that arise; Optimizing efficiency and minimizing gas consumption; Smart contract optimization and protection; REST API implementation; Code review. Developing blockchain integration.
**Technologies:** Solidity, JavaScript, Node.js, Nest.js, TypeORM, Mongoose, Jest, IPFS, ERC-20, ERC-721, web3.js, Wallets integrations, Avalanche, IPFS, AWS(RDS, Lambda, S3, ECR, ECS, SQS, SES, etc), Kafka, MongoDB, PostgreSQL, Celery, Docker, Docker Compose, GitHub.

### Blockchain Developer / Software Engineer, dApp platform

**Duration:** 01.2019 - 04.2020
**Summary:** dApp platform
**Responsibilities:** Build a serverless part of the app via AWS Lambdas; Check that the smart contract logic is consistent with the intended functionality and purpose; Implement a system for creating, submitting, and managing proposals within the DAO; Blockchain development; Solve security issues; Implement utility token; Smart contract protection; Help other developers with smart contracts; Developing contracts for migration to the new version;
**Technologies:** Solidity, JavaScript, Node.js, Express.js, TypeORM, Mongoose, Ethereum, ProxyContract, ERC-20, ethers.js, AWS(Lambda, DynamoDB, ECR, SNS, SQS, ECS, etc), Slither, Solhint, GitHub, SSV.Network.

### Blockchain Developer / Software Engineer, Crypto Exchange platform

**Duration:** 10.2017 - 12.2018
**Summary:** Crypto Exchange platform
**Responsibilities:** Blockchain development; Developing blockchain integration to application; Implement buy and burn algorithm; Developing smart contracts structures; Develop custom algorithms; Evaluate scalability, security, performance, and gas optimization of the decentralized application; Migration of contracts to the new network; Signature EIP-712 implementation; Functional test of blockchain;
**Technologies:** Solidity, Python, Flask, Flask-RESTFul, Alembic, Marshmallow, SQLAlchemy, Ethereum, Waffle, Wallets integrations, OpenZeppelin, ProxyContract, Ganache, Uniswap, ERC-20, EIP-712, Solhint, Slither, Azure(Cloud SQL, Blob Storage, Monitor, VM, Pipelines, Functions, Monitor, Load Balancer), Github.

## EDUCATION

- **Computer Science and Software Engineering**