Kasalicky Tomas

Blockchain Developer

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SUMMARY:

Security, scalability-oriented Blockchain Engineer with 8+ years of experience in smart contract development, DeFi solutions, NFT-based gaming, and multi-chain applications. Demonstrated success in optimizing blockchain infrastructure, improving security protocols, and scaling decentralized applications to millions of users. Proficient in Solidity, Rust, JavaScript, Python, React, Next.js and Node.js. Known for clear and concise communication, fostering collaboration among team members, leading to a 15% improvement in project delivery timelines. Staying updated on blockchain advancements. Applying expertise in creative, innovative blockchain services. Experienced in complex, multi-stranded specifications, as well as new technology.

SKILLS:

- Blockchain Development Framework: Truffle, Hardhat, Foundry, Cosmos SDK, TypeScript SDK
- Security Auditing: Slither, MythX, Echidna, Rattle, Certora Prover, VerX
- Smart Contract Languages: Solidity, Rust, Yul, Cairo, Cadence, Lua, TypeScript
- Web3 Development: React, Next.js, Node.js, IPFS, Arweave, Ethers.js, Web3.js, WalletConnect

WORK EXPERIENCE:

Blockchain & Game Developer

Ticker Logic Studio (Aug 2023 - Dec 2024)

- Engineered blockchain-based gameplay mechanics for a multiplayer, open-world survival game, growing the player base to over 100,000 active users.
- Designed a secure NFT economy, increasing player retention by 40%, and boosting in-game transactions.
- Integrated Layer-2 scaling solutions reduce gas fees by 60% for in-game transactions.
- Conducted 10+ thorough smart contract audits, personally identifying and rectifying critical vulnerabilities before production deployment, ensuring the integrity of in-game transactions and digital assets.

Blockchain Game Developer

Beetroot Lab (Nov 2022 - Jul 2023)

- Established a play-to-earn (P2E) model using NFT staking, increasing daily active users by 30%.
- Introduced on-chain reward mechanisms, driving 60% more user engagement.
- Secured smart contracts using Slither and MythX, eliminating 3+ critical vulnerabilities in blockchain logic.
- Optimized game asset tokenization, enhancing scalability, and reducing minting costs by 35%, improving profitability and user adoption.

DeFi & Blockchain Researcher

T-RIZE Group (Feb 2022 - Oct 2022)

- Developed and launched a real estate tokenization platform, facilitating over $10 million in digital asset transactions, increasing investment participation by 50%.
- Refined and contributed to the Solidity security framework, detecting and mitigating 80% of smart contract vulnerabilities, significantly reducing the risk of exploits.

WORK EXPERIENCE:

Blockchain Game Developer

Animoca (Sep 2020 - Dec 2021)

- Seamlessly integrated blockchain asset management into Crazy Defense Heroes, attracting over 1 million downloads, and propelling revenue by 35%.
- Engineered and deployed secure smart contracts, ensuring transparent in-game transactions, and achieving a 99% user trust rating.
- Optimized and minimized on-chain metadata storage, reducing blockchain bloat by 45%, and decreasing transaction failure rates by 30%.
- Proposed interoperability solutions, enabling cross-game asset transfers, and increasing partnerships by 50%, leading to higher revenue streams.

Blockchain Engineer

Tokenlon (Mar 2019 - Aug 2020)

- Enhanced decentralized exchange (DEX) features, facilitating over $100 million in transaction volume, and reducing slippage by 25%.
- Created and refined gas-efficient Solidity contracts, cutting transaction costs by 30%, and making the platform more cost-effective for users.
- Led the implementation of multi-signature security protocols, improving platform security, and reducing unauthorized transactions by 85%.

Smart Contract Developer

Ambisafe (Oct 2017 - Feb 2019)

- Spearheaded real estate tokenization solutions, accelerating closing times by 30%, while securing over $20 million in assets, and improving investment accessibility by 40%.
- Directed and mentored a five-member development team, significantly improving liquidity solutions and smart contract automation, enhancing trading efficiency by 30%.
- Implemented compliance-based smart contracts, aligning with financial regulations, and increasing institutional adoption by 60%.

Software Engineer

4soft (Jul 2016 - Aug 2017)

- Developed smart contracts for insurance automation, reducing processing times by 20%.
- Built decentralized data security solutions, streamlining claims, and increasing fraud detection efficiency by 10%.

EDUCATION:

Bachelor's Degree in Computer Science- Sep 2013 - Jun 2016

Czech Technical University in Prague, Czech Republic

Languages:

Czech : Native   English : Native