Milos Markov

Blockchain Full Stack Engineer

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https://portfolio-jet-phi-23.vercel.app/

SKILLS

Solidity, Go, Rust,

DeFi (Decentralized Finance),

DEX (Decentralized Exchange),

C#, React Full Stack,

Python for Object Detection and Recognition,

Pine Script for Data Analysis,

Typescript, Tailwind css, HTML5,

Gas Optimization techniques,

Firm understanding of consensus algorithm,

Profound knowledge about infrastructure and operations of EVM,

Sophisticate skill to deal with Solidity compiler,

-**Web3 Development:** Over 5 years of hands-on experience as a Web3 Full Stack Engineer, proficient in developing decentralized applications (dApps) and integrating blockchain technologies.

-**Smart Contract Development:** Extensive expertise in Solidity and other blockchain programming languages, with 4+ years of experience designing and implementing smart contracts on the Ethereum blockchain.

-**AWS Development:** Skilled in AWS development, with a focus on Laravel, Python, and JavaScript/TypeScript for building scalable and reliable cloud-based solutions.

-**Blockchain Foundations:** Strong understanding of the Ethereum blockchain ecosystem, including its architecture, consensus mechanisms, and gas fee algorithms.

-**NFT Development:** Experience in marketing non-fungible tokens (NFTs) and leveraging blockchain technology for digital asset management.

-**EVM Optimization:** Proficient in optimizing Ethereum Virtual Machine (EVM) performance and minimizing gas fees through efficient smart contract design.

-**Proof of Stake (PoS):** Knowledgeable in PoS consensus algorithms and their implementation, with a keen interest in exploring novel approaches such as Proof of All (POA).

-**Web3.js Contribution:** Actively contributed to the development of core components of Web3.js, a JavaScript library for interacting with Ethereum and other blockchain networks.

EXPERIENCE

Self Employed

DEC 2023 - PRESENT

- Designed and developed the Smart Wallet for User-Experienced Wallet Management using Solidity, Go, Ganache
- Actively Participated in Blockchain Communities to get the latest knowledge and solutions in talent.
- Be passionate about learning cloud computing Infra technologies and Solidity compiler structure, EVM infrastructure.
- Led the Sprint retrospective and planning meetings for engineering team performance.
- Analyze trending technologies and dozens of company's market strategies.
- Create transparent market cap prediction design using smart contracts in Ethereum Network.

Medicalchain, London, UK - *Web3 Full Stack Engineer*

NOV 2019 - DEC 2023

- Enhanced contract code for optimal gas efficiency, resulting in a significant 47% reduction in transaction costs during network congestion peaks. Through meticulous code optimization and performance enhancements, we were able to ensure smoother and more cost-effective transactions, even during periods of high network activity.
- Played a pivotal role in crafting a robust governance model for a Decentralized Autonomous Organization (DAO), which led to a remarkable 145% surge in community engagement and the doubling of token holders within just six months. By fostering transparent decision-making processes and empowering community members to actively participate in governance, we strengthened the DAO's foundation and cultivated a more vibrant ecosystem.
- Developed an innovative implementation of the Ethereum Virtual Machine (EVM) supporting zero-knowledge proofs (ZK-EVM), revolutionizing the execution of smart contracts for sensitive sectors such as finance and healthcare. This groundbreaking technology

enabled secure and private transactions, safeguarding sensitive data and enhancing trust in blockchain-based solutions.

- Designed and deployed a comprehensive suite of smart contracts for a leading Ethereum-based Decentralized Application (DApp), effectively safeguarding over $5 million in digital assets within the initial three months post-launch. By implementing robust security measures and ensuring seamless interoperability between contracts, we provided users with a reliable and secure platform for managing their assets.
- Implemented Cosmwasm smart contracts within the Cosmos-based ecosystem, including functionalities such as NFT marketplaces and presales. By leveraging the capabilities of Cosmwasm, we facilitated the development of decentralized applications on the Cosmos network, expanding the reach and potential of blockchain technology across diverse use cases.

Rabipearl, Manchester, UK *- Smart Contract Engineer*

OCT 2017 - NOV 2019

- I spearheaded the implementation and optimization of smart contracts using Solidity, meticulously fine-tuning code to achieve significant cost savings in gas fees and enhance transaction throughput. By carefully analyzing and refining contract logic and data structures, we were able to streamline operations and improve overall efficiency.
- In addition, I led the development of a custom governance mechanism tailored for a decentralized finance (DeFi) platform. This mechanism empowered users to actively participate in decision-making processes related to the platform's development and management. By enabling transparent and decentralized governance, we saw a notable increase in community engagement and participation, fostering a stronger and more vibrant ecosystem.
- Furthermore, I took charge of implementing a bespoke consensus algorithm for a private blockchain network. Through innovative algorithm design and rigorous testing, we achieved significant improvements in network throughput and reduced transaction confirmation times. This optimization not only enhanced the performance of the network but also laid the groundwork for scalable and efficient blockchain solutions in the future.

kadasolutions, Zurich, Switzerland *- React Full Stack Developer*

JUL 2014 - OCT 2017

- Implemented pixel-perfect front-end designs, meticulously ensuring that the visual representation of the user interface precisely matched the provided designs. By adhering to strict design guidelines and

standards, we achieved a seamless and polished user experience across various devices and screen sizes.

- Developed an automated system for monitoring and managing network operations, leveraging advanced tools and technologies to streamline the management of network infrastructure. This system enabled proactive monitoring of network health, rapid detection of issues, and automated responses to maintain optimal performance and reliability.
- Implemented SEO strategies to optimize existing websites, including on-page and off-page optimization techniques to improve search engine visibility and rankings. By enhancing the websites' search engine presence, we increased organic traffic and improved overall online visibility.
- Successfully retrieved data from multiple storage APIs, utilizing efficient data retrieval methods and integration techniques to access and consolidate data from disparate sources. This enabled seamless integration of data into applications and systems, providing users with comprehensive and up-to-date information.
- Redesigned various components of web applications, including the homepage, product detail pages (PDP), listing pages, checkout process, cart page, third-party payment systems, variations, blog articles, glossary, and more. Through thoughtful redesigns and optimizations, we enhanced user experience, streamlined navigation, and improved overall usability.
- Built a sophisticated e-commerce platform using Vue.js, a progressive JavaScript framework, to deliver a modern and responsive online shopping experience. This platform incorporated advanced features such as product customization, intuitive navigation, and seamless checkout processes, resulting in a significant 20% increase in company sales.
- Developed and maintained a robust content management system (CMS) using React for a major publishing company. This CMS facilitated efficient content creation, publication, and management, empowering content editors and administrators to effectively manage large volumes of content across multiple channels.
- Conducted extensive A/B testing of different website components and combinations to optimize user engagement and conversion rates. By systematically testing and analyzing various elements such as layouts, calls-to-action, and user interfaces, we identified and implemented improvements that resulted in a notable 23% increase in customer conversion rates, translating to over $500,000 in incremental annual revenue.

EDUCATION

Technical University of Munich (TUM) *-- Software Engineer*

 APR 2009 - JUL 2014

I majored in software engineering and data science.

I was proudly ranked among the top talents in the university and attracted the attention of numerous investors.

AWARDS

Bachelor of Science in Informatics (Computer Science)

GPA