Michael J

Blockchain Developer, 8+ years experience
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As a senior blockchain and full-stack engineer, I specialize in developing cutting-edge applications that leverage blockchain technology for enhanced security and efficiency. With expertise in smart contract development and full-stack architecture, I have a proven track record of delivering innovative solutions that streamline processes and drive business growth. My skill set includes proficiency in blockchain platforms like Ethereum and Hyperledger, as well as web technologies such as Next.js and Node.js. I thrive in dynamic environments, collaborating with cross-functional teams to deliver high-impact projects that meet and exceed client expectations.

INDUSTRIES: Financial, Education

TECHNICAL SKILLS

• React	8 years & 5 months
• Node.js	8 years & 8 months
• Solidity	6 years & 6 months
• Web3 Js	6 years & 6 months
• smart contracts	6 years & 6 months

PROJECT DETAILS

• Uruloki

Project Description: The blockchain application developed for the Dex platform aimed to enhance users' trading experience by leveraging advanced technology to provide real-time insights and recommendations. Incorporating cutting-edge technologies such as Big Data, Artificial Intelligence, and web technologies, the application facilitated more effective trading activities. Key responsibilities included developing a smart contract and web application to manage blockchain-related information efficiently. The objective was to create a user-friendly system allowing traders to input trading amounts seamlessly and navigate through the application effortlessly. Additionally, the smart contract facilitated blockchain transactions for exchanging various tokens, enhancing the platform's utility for trading and profit generation across different platforms. The project utilized Next.js for the frontend and Node.js for the backend. Next.js enabled the creation of a seamless and responsive interface, enhancing usability by allowing users to interact efficiently with the application on a single page. Node.js, operating on the server side, ensured reliability and secure handling of blockchain functions. Supabase, a PostgreSQL platform, was chosen for securely storing trading information. This database service offered rapid performance and cloud storage flexibility, ensuring secure and easily accessible trading data. Real-time communication was facilitated through Bitquery for seamless updates on trading activities and Elasticsearch for enhanced search functionality, ensuring users have the most up-to-date information readily available. Regular backups of trading information using Supabase services ensured data security and recoverability. Overall, the project served as a crucial support tool for Web3.js providers, empowering them to deliver care more effectively and securely. Its emphasis on user-friendliness and real-time capabilities made a positive impact on Dex service delivery, enhancing trading experiences for users.

Responsibilities: I worked on a project to develop a blockchain application designed to support the Dex platform in making users comfortable for trading. This application utilizes advanced technology to offer real-time insights and recommendations, assisting users in trading more effectively. It incorporates cutting-edge technologies such as Big Data, Artificial Intelligence, and web technologies. My responsibility was to develop a smart contract and web application using that contract. It involves organizing and managing information related to the blockchain world. The objective was to create a user-friendly system, ensuring that traders could easily input trading amounts and navigate through the application without any issues. Additionally, the smart contract was used to facilitate blockchain transactions for exchanging various tokens. As you are aware, we needed to utilize different platforms for trading to generate profits. To develop this project, I utilized two primary technologies: Next.js for the front end and Node.js for the back end. Next.js facilitates the creation of a seamless and responsive interface, enabling users to interact efficiently with the application on a single page without the need to load new pages for different information. This enhances the usability of the application for medical staff. On the other hand, Node.js is a robust technology that operates on the server side. It is renowned for its reliability and seamless integration with other services, such as cloud platforms. This decision was pivotal in managing the application's functions and ensuring the secure handling of blockchain. We opted for Supabase (PostgreSQL platform) to securely store trading information. Supabase is a database service that offers rapid and dependable performance along with the flexibility of cloud storage. This ensures that trading data is secure and easily accessible when required. Real-time communication played a vital role in our system, enabling immediate updates on trading activities. This guarantees that users have the most up-to-date information readily available. We accomplished this by utilizing Bitquery for seamless real-time updates and Elasticsearch to enhance our search functionality, facilitating quick access to specific patient histories. To safeguard data, we routinely backed up trading information using Supabase services. This measure ensures that trading data remains secure and recoverable in any unforeseen circumstances. Overall, the project was crafted to serve as a crucial support tool for Web3.js providers, empowering them to deliver care more effectively and securely. It was well-received, particularly for its emphasis on user-friendliness and real-time capabilities, thereby making a positive impact on our Dex service delivery.

Technologies: Next, Node, Solidity, Web3

Industry: Financial

Link: https://www.tsuka.world/

• Socrates

Project Description: Socrates is an innovative educational platform designed to revolutionize the way students learn and engage with academic content. Through the fusion of cutting-edge technology and pedagogical expertise, Socrates offers a dynamic and personalized learning experience tailored to the needs and preferences of each individual learner. At the heart of Socrates lies its adaptive learning engine, a sophisticated algorithm that analyzes students' strengths, weaknesses, and learning styles to deliver customized learning paths. Unlike traditional one-size-fits-all approaches, Socrates adapts in real-time, ensuring that each student receives targeted instruction and support precisely where it's needed most. The platform hosts a vast array of interactive learning resources spanning multiple subjects and grade levels. From math and science to language arts and social studies, Socrates provides comprehensive coverage of key curriculum areas, empowering students to explore and master academic concepts at their own pace. Engagement is key to effective learning, and Socrates incorporates gamification elements to make the learning experience fun and immersive. Through interactive lessons, quizzes, and educational games, students are motivated to actively participate in their learning journey, fostering a sense of enjoyment and achievement. Feedback is an integral component of the learning process, and Socrates offers instant, actionable feedback to students as they progress through activities. This real-time guidance helps students identify areas for improvement and reinforces their understanding of core concepts, promoting deeper learning and mastery. Teachers play a crucial role in supporting student learning, and Socrates provides educators with powerful tools to monitor student progress, track performance trends, and generate detailed reports. Armed with actionable insights, teachers can tailor their instruction to meet the unique needs of each student, maximizing learning outcomes in the classroom. Accessibility is a core value of Socrates, and the platform is designed to be inclusive and accommodating to students with diverse learning needs. Customizable settings and alternative formats ensure that all students can access and engage with the content, regardless of individual challenges or preferences. In summary, Socrates represents a paradigm shift in education, harnessing the power of technology to deliver personalized, engaging, and effective learning experiences for students. By putting learners at the center of the educational journey and providing them with the tools they need to succeed, Socrates is transforming the way we teach and learn in the digital age.
Responsibilities: As a senior frontend and backend engineer for the Socrates project, I led the development of the frontend user interface using React, ensuring responsiveness and usability. I also spearheaded the design and implementation of robust RESTful APIs with Django for seamless communication between the frontend and backend systems. Additionally, I managed AWS cloud infrastructure, optimizing scalability and security measures for high availability and data protection. By integrating frontend and backend components and implementing CI/CD pipelines, I facilitated efficient deployment processes. In agile environments, I provided technical leadership and mentorship, contributing to the successful delivery of a personalized and engaging learning platform.
Technologies: React, Django, AWS
Industry: Education
Link: https://www.withsocrates.com/

EMPLOYMENT HISTORY

• Lead Blockchain Developer June-2022 - December-2023

Description: Led the design and deployment of custom smart contracts for an NFT marketplace

EDUCATION

• Bachelors degree in Computer Science from University of Oregon 2012 - 2016

LANGUAGES

• English - advanced

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