Egbu Precious Chikezie

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I am a seasoned Developer with over 8 years of experience, driven by a deep passion for blockchain technology and its transformative potential. My goal is to contribute to a forward-thinking company that values innovation and collaboration. With expertise in Solidity, JavaScript, Ethers.js, Rust, and Truffle, I bring a solid foundation to the table. My strong problem-solving abilities, attention to detail, and commitment to continuous learning enable me to develop secure, scalable, and user-centric blockchain solutions.

MOST RECENT WORK EXPERIENCE

Frontend Developer at Eclat

February 2023 - June · 1 yr 6 mos [Lagos, Nigeria]

- Spearheaded the development of user-centric and responsive web applications at Eclat, optimizing the user experience and driving a 30% increase in user engagement.
- Collaborated with cross-functional teams to translate design concepts into functional and visually appealing frontend solutions, ensuring alignment with project objectives and timelines.
- Implemented cutting-edge technologies and best practices, such as React and CSS Grid, to deliver high-performance and interactive web interfaces, resulting in a 25% reduction in page load times..
- Conducted comprehensive code reviews and refactoring to enhance code quality and maintainability, contributing to a 20% decrease in bug reports and customer issues.
- Actively stayed updated on emerging trends in frontend development and regularly shared insights with the team, fostering a culture of continuous learning and innovation at Eclat

Blockchain Developer at Uhuruverse

December 2021 - Present · 1 yr 6 mos [Lagos, Nigeria]

Responsibilities

- Crafting innovative blockchain architectures, designing secure and scalable decentralized systems, and creating efficient consensus algorithms.
- Developing and deploying smart contracts on various blockchain platforms, ensuring code correctness and security, and optimizing contract performance.
- Conducting rigorous security audits, performing penetration testing, and implementing robust security measures to protect blockchain networks and applications.
- Building user-friendly DApps with intuitive interfaces, integrating blockchain functionality, and utilizing frameworks like React.js and Ethereum to deliver seamless user experiences.
- Conducting in-depth research on emerging blockchain technologies, exploring novel consensus mechanisms, and contributing to academic publications and industry thought leadership.

Key Accomplishments

- Improved smart contract efficiency by reducing gas consumption from an average of 500,000 to 200,000 gas units by optimizing code logic and reducing unnecessary computations.
- Enhanced cross-functional collaboration by implementing an agile development methodology, resulting in a 20% reduction in software development cycle time.
- Developed and deployed ERC721 smart contracts on the Polygon blockchain, enabling seamless creation and trading of unique digital assets on a high-performance network.

Blockchain Developer at HeadsbyBNXN

December 2021 - November 2022 · 1 yr 6 mos [Lagos, Nigeria] [Saas]

Responsibilities

- Formulating innovative blockchain architectures, devising secure and scalable decentralized systems, and developing efficient consensus algorithms.
- Engaging in the development and implementation of smart contracts across diverse blockchain platforms, guaranteeing code accuracy and security, and enhancing contract performance.
- Performing thorough security audits, conducting penetration testing, and implementing robust security measures to safeguard blockchain networks and applications.
- Developing user-friendly decentralized applications (DApps) featuring intuitive interfaces, incorporating blockchain capabilities, and leveraging frameworks such as React.js and Ethereum to provide seamless user experiences.
- Engaging in comprehensive research into emerging blockchain technologies, investigating innovative consensus mechanisms, and actively contributing to academic publications and industry thought leadership.

Key Accomplishments

- Achieved significant enhancement in smart contract functionality through the successful implementation and deployment of highly efficient ERC721 smart contracts, enabling the seamless creation and management of unparalleled digital assets.
- Optimized software development efficiency by fostering collaboration with cross-functional teams, resulting in the creation and rigorous testing of software applications. This initiative led to a notable 15% reduction in development time, ultimately boosting productivity levels.
- Optimized blockchain development workflows by leveraging Polygon's scalability and interoperability features for smart contract development. This strategic utilization enhanced performance, network compatibility, and streamlined processes.
- Constructed user-centric DApps utilizing React.js, effectively delivering interfaces that prioritize intuitiveness and provide exceptional user experiences. This undertaking yielded tangible results, including heightened user engagement and garnered positive feedback from users.

PROJECTS

Chainlink Hackathon: Crowdfunding Dapp

April 2023 - June 2023 · 2 mos

Key Accomplishments

- Improved donation precision by seamlessly integrating Chainlink oracle nodes, elevating the accuracy rate of fetched dollar price data from 80% to an impressive 99%. This enhanced reliability ensures a more trustworthy and accurate donation process.
- Reduced gas consumption by optimizing smart contract code, resulting in a significant 30% reduction in transaction costs. Average gas units required per transaction decreased from 500,000 to 350,000, improving cost-efficiency and performance.
- Improved user experience with a highly intuitive frontend powered by React.js and Tailwind CSS, resulting in a significant 20% increase in user engagement and positive feedback. The streamlined interface facilitated seamless navigation and interaction, enhancing user satisfaction.

Celo Hackathon: Decentralized Collaboration

Sept 2023

Key Accomplishments

- Designed and implemented an efficient Project struct and allocation mechanism, improving resource management and ensuring equitable distribution among project participants.
- Developed a state enum system to regulate the release of project allocations, enhancing control and transparency by allowing disbursements only for completed projects.
- Created a robust voting system enabling participants to initiate and vote on polls, ensuring fair and secure decision-making within the project.
- Addressed gas fee challenges by introducing a receive function, guaranteeing the successful execution of contract functions and a seamless user experience.
- Demonstrated problem-solving and adaptability skills in developing a decentralized project management solution, showcasing a strong commitment to innovation and the Celo ecosystem.

Base Hackathon: Decentralized Contribution

Sept 2023

Key Accomplishments

- Architected and developed the core smart contracts of Mchango, enabling decentralized financial collaboration and ensuring secure and transparent fund management within the Web3 ecosystem.
- Implemented a unique contribution mechanism allowing participants to create individual campaigns and contribute to group savings, fostering financial cooperation while accommodating diverse user needs.
- Designed a sophisticated participant selection algorithm, ensuring fairness and order in fund distribution by automatically prioritizing contributors based on a well-defined sequence rather than random selection.
- Demonstrated a deep understanding of blockchain technology and decentralized finance (DeFi) principles, contributing to the project's success and its mission to promote financial participation and collaboration in the crypto space.

Hedera Hackathon: Crowdfunding Dapp

May 2023 - June 2023 · 1 mo

Key Accomplishments

- Enhanced crowdfunding efficiency by implementing a smart contract solution, reducing processing time for funding requests.
- Strengthened security measures by implementing Metamask for multi-factor authentication, ensuring secure transactions and reducing the risk of unauthorized access.
- Improved scalability by utilizing Ethers.js and Next.js frameworks, enabling seamless frontend-smart contract interaction and achieving a 25% increase in transaction throughput.

Polygon Hackathon: Decentralized Education

December 2022

Key Accomplishments

- Enhanced user engagement by integrating Matic token, resulting in a 40% increase in transactions.
- Improved data storage efficiency by leveraging IPFS for video uploads, leading to a 30% reduction in storage costs while ensuring secure and decentralized content distribution.
- Secured smart contract reliability and functionality through thorough testing, resulting in a 95% code coverage and minimized potential bugs.
- Optimized user experience by developing a responsive frontend application using React.js and Tailwind CSS, resulting in a 20% boost in user satisfaction and engagement.

SKILLS

- Team work
- GIT
- Adaptability
- Blockchain Fundamentals
- Ethereum
- HTML & CSS
- Solidity
- Hashgraph
- Javascript & React
- Rust
- Polygon
- Truffle & Hardhat
- Hyper Ledger
- Mocha & Chai
- Debugging
- Typescript
- NextJS
- Tailwind
- AWS
- Docker
- Linux

EDUCATION

The State University of New York

June 2023 [Buffalo, United State]

- Blockchain Basics
- Decentralized Applications
- Smart Contracts
- Blockchain Platforms

Polygon Bootcamp

October 2022

- Blockchain Fundamentals
- Smart Contracts
- Decentralized Applications

LANGUAGES

- English Language