RICHARD CHEUNG
Senior Blockchain Developer

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🐙 https://github.com/blockchain-dev216

Summary

- Advanced proficiency in blockchain architecture, smart contract development, and consensus algorithms, with a focus on Ethereum and Hyperledger frameworks.
- Comprehensive experience in full-stack web development, adept in both front-end technologies like React and Angular, and back-end systems using Node.js and MongoDB.
- In-depth knowledge of Solidity for Ethereum-based applications, with a focus on security and efficiency.
- Experience in integrating NFTs into platforms and developing cryptocurrency-related applications, wallets, and exchanges.
- Leading development teams, managing projects from conception to deployment, and mentoring junior developers.

Skills

- Solidity, JavaScript, TypeScript, Python, Java, C, C++, C#
- Smart Contract, NFT Standard, Ethereum, CryptoGraphy
- React, React Native, Web3.js, Ethers.js, D3.js, Next.js, HTML/CSS, MUI, Ant Design, Chakra UI, Styled Component
- Node.js, Express.js, Django, MongoDB, PostgreSQL, GraphQL, MySQL, Oracle, Entity Framework
- React Testing Library, Jest, Mocha, Enzyme, Cypress
- AWS, Azure, GCP, UI/UX, Problem-solving, Architectural design, Troubleshooting, Test-Driven Development
- Version Control(Git), Agile/Scrum methodology

Education

Texas Tech University

Master's Degree in Computer Science	*2012 - 2014*
Bachelor's Degree in Computer Science	*2008 - 2012*

Graduated 3.8+ GPA

Experience

Compass Mining
08/2021 - Present

Senior Blockchain Engineer

- Led the Development of a cutting-edge NFT Marketplace, enabling artists and creators to mint and trade digital assets.
- Implemented IPFS for decentralized storage, ensuring robust and permanent hosting of digital assets without relying on centralized servers.
- Utilized React for building a responsive and intuitive user interface, enhancing user engagement and satisfaction.
- Crafted Smart Contracts in Solidity, adhering to the ERC-721 standard, to ensure secure and verifiable transactions on the Ethereum blockchain.
- Integrated Ethereum Blockchain, enabling a trustless and transparent platform for users to buy, sell, or auction NFTs.
- Optimized Gas Usage and transaction efficiency, significantly reducing costs and improving the marketplace's performance.

Dapper Labs

09/2018 - 08/2021

Senior Blockchain Developer

- Engineered the 'CryptoKitties' Game, a pioneering blockchain-based game that popularized NFTs and introduced digital collectibles to the mainstream.
- Programmed Smart Contracts using Solidity, creating the backbone for the game's secure and transparent transaction system.
- Implemented NFT Standards to ensure each CryptoKitty was a unique, indivisible, and tradable asset on the Ethereum blockchain.
- Developed User Interfaces with React, providing an engaging and intuitive experience for players worldwide.
- Utilized Hardhat for efficient smart contract testing, deployment, and interaction, streamlining the development process.
- Applied JavaScript to integrate smart contracts with web interfaces, enabling seamless user interactions with the game.
- Optimized Contract Efficiency, reducing gas costs and improving transaction speeds, enhancing overall gameplay.
- Collaborated with Cross-Functional Teams, including designers and QA testers, to refine game features and ensure a bug-free environment.

Projectmates

01/2017 - 09/2018

Senior Software Engineer

- Designed and Developed a Comprehensive Data Visualization System, enabling users to interact with complex datasets and extract meaningful insights.
- Utilized React for building a responsive and modular front-end architecture, ensuring seamless user experiences across various platforms.
- Implemented D3.js to create dynamic, interactive data visualizations, translating complex data into accessible graphical representations.
- Integrated Backend Services using Node.js and Express, facilitating efficient data management and real-time updates.
- Applied Agile Methodologies throughout the development process, enhancing team collaboration and project adaptability.

Projectmates

06/2014 - 01/2017

Software Engineer

- Spearheaded the Development of an advanced HR Management System, streamlining HR operations and employee management.
- Engineered a Robust Backend with Node.js and Express, ensuring secure and efficient data handling and API integration.
- Crafted a User-Friendly Frontend using React, providing an intuitive interface for HR administrators and employees.
- Implemented MongoDB for scalable and flexible data storage, accommodating a growing number of employee records.
- Integrated Essential HR Features, such as leave management, performance tracking, and benefits administration, using MERN Stack technologies.
- Applied Security Best Practices, including data encryption and JWT authentication, to protect sensitive employee information.
- Utilized Agile Development Practices, leading to iterative releases and continuous improvement of the system's functionality
- Set up pipelines with Jenkins for automated testing and deployment, enhancing the system's reliability and uptime.
- Demonstrated strong problem-solving skills in addressing technical challenges and implementing effective solutions.
- Effectively communicated complex technical concepts to non-technical stakeholders, ensuring clarity and alignment.