MATEUS FIGUEIREDO DE MELO

(Senior Blockchain Engineer)

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EDUCATION

Pontifical University, Brazil
Duration: 2015 – 2019
Degree: Bachelor in Computer Science

CERTIFICATIONS

Certified Blockchain Developer(CBD)-Blockchain Council(2018)
Certified Smart Contract Developer(CSCD)-Blockchain Council(2019)
Cyfrin Updraft

SKILLS

● Proficient in Solidity, Rust, GoLang, Move, C++, Python, JavaScript.
● Experience with Ethereum, Solana, ZKSync platform and other blockchain platforms.
● Familiarity with Smart Contract development,testing and auditing.
● Good experiences with L2 solutions like ZK rollup.
● Proficient with distributed storage systems like IPFS.
● Strong understanding of cryptography and blockchain protocols.
● Familiarity with back-end development using FastApi, Django, Actix, Rocket, Node.js and other frameworks.
● Excellent problem-solving abilities and attention to detail.

WORK EXPERIENCE

Senior Blockchain Engineer, Algorand, Boston, Massachusetts, Apr 2022 - current
● Dedicated the technical efforts to ensure a smooth transition to the Algorand mainnet, resulting in zero downtime and uninterrupted service for users.
● Optimized the consensus mechanism, achieving a 30% improvement in transaction throughput and a 25% reduction in latency, enhancing the overall efficiency of the network.
● Successfully implemented Algorand's Pure Proof-of-Stake (PPoS) mechanism, contributing to a 40% increase in network scalability and security.
● Conducted extensive testing and validation, leading to the identification and resolution of over 20 critical bugs and performance issues, ensuring robust and reliable network operation.
● Implemented key protocol adjustments that improved network resilience, reducing the impact of network partitioning by 35% and enhancing block propagation efficiency by 20%.

Blockchain Developer, Appinventiv, Madison Ave, Manhattan, NY, Sep 2019 - Apr 2022
● Deployed over 20 smart contracts and unit tests, along with deployment scripts using Solidity, Rust, Truffle, Foundry, Anchor, Ethers.js, Web3.js, and TypeScript, enhancing code reliability by 35%.
● Successfully implemented supply chain management solutions, increasing transparency and trust in platforms such as the Wine Refinery App.
● Developed digital identity verification systems, such as Nova Learning, to combat fraudulent certifications and enhance trust in the education sector.
● Designed and completed booking systems using digital currency for projects like Empire Hotel Booking Management, resulting in a 50% reduction in transaction processing time.

● Utilized advanced technologies, including Express, REST APIs, and PostgreSQL, to customize and enhance eCommerce applications, leading to a 25% increase in user satisfaction.