

Terome J. Mensah

Blockchain engineer with experience in developing innovative solutions on the blockchain and building decentralised applications, seeking the opportunity to apply these skills in a forward-thinking web3 company

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Portfolio: <https://github.com/thequantumdomain>

Skills

- Deep knowledge of Web3, Cryptocurrency and DeFi
- Experience in Programming, Trading and Investing in Cryptocurrencies
- Building dApps
- Written Academic Reports on Blockchain Technologies
- Implementing Networks of Value
- Predicting technical approaches and risks
- Modular deployment and debugging
- Leading development projects
- Collaborating with Fintech Stakeholders (End Users, Engineers, Bankers)
- Advanced Cryptographic Methods

Knowledge: Blockchain, Bitcoin, Ethereum, IBM Hyperledger Fabric, Smart Contracts, APIs, Cryptocurrency, Token Development, Distributed Ledger Technology, Sidechains, Consensus Algorithms, Mining, InterPlanetary File System.

Back-End Development: Ethereum Protocol Engineering, Ethereum Virtual Machine, Layer-2 Development, Zero-Knowledge Proof Roll-Ups, DeFi, Miner Extractable Value (MEV), Smart Contract Engineering, ERC-20 Tokens, ERC-721 Tokens, NFTs, Security Auditing and Formal Verification.

Front-End Development: UX/UI Web and App Interfaces, Web3 Site Hosting.

Technical Skills: Truffle, Solidity, Hardhat, React.js, Ethers.js, Node.js, Angular.js, Javascript, HTML5, CSS3, SQL, PostgreSQL, MongoDB, VSCode, Anaconda, git.

Languages: Solidity, Python, Go, Java, HTML.

Project Software: Slack, Asana, Microsoft Teams, Discord, Telegram.

Projects

I have worked on the development and implementation of new blockchain technologies and platforms, completed professional market research and written academic reports.

- Applications of Blockchain in Genomics for Medical Data Storage
- Decentralised Cryptocurrency Exchange
- NFT Marketplace

Qualifications

Academic

The University of Exeter 2019 - 2023
Natural Sciences (Bsc.) First Class (Expected)
Modules: Computational Physics, Statistics

The University of Southampton 2013 - 2016
Physics - Higher National Diploma
Modules: Quantum Computing, Computational Physics

Southend High School for Boys Sixth Form 2011 - 2013
A-Levels
Mathematics A Physics B Economics A General Studies B

Southend High School for Boys 2007 - 2011
GCSE
Mathematics A* Statistics A* Science A* Additional Science A* History A*
English Literature A* English Language A Business Studies A* Physical Education A*
Religious Studies A* Citizenship Studies A*

Professional

Association of Chartered Certified Accountants (ACCA) April 2022
Professional Certificate in FinTech for Finance and Business
- Machine Learning for Finance Professionals
- Cybersecurity for Financial Professionals
- Robotic Process and Intelligent Automation for Finance

Certificate of Professional Development (CPD) May 2021
Blockchain / Banking / Essentials Digital / Banking ESG: Essentials / Fintech Essentials / Private Equity / Big Data Pathways

IBM Blockchain Development Certificate June 2022

dApp University August 2022

Certified Blockchain Developer

Experience

Payment Operations

Monzo Bank Ltd.

October 2021 - Present

This role involved managing customer accounts, processing payment transactions, and communicating with stakeholders. I traced payments through the backend, dealing with JSON files and payment network infrastructure, which involved identifying bugs and errors in the network to resolve delayed transactions and missing payments. I communicated with back and front-end developers, payments teams, financial regulators and business managers, working together in order to streamline our operational efficiency. I learned transferrable skills to aid my career progression in Fintech. I would make recommendations to front-end developers based on feedback from client experience, contributing to introducing new features to the platform and maintaining client relations.

Blockchain Researcher Intern

University of Exeter, Department of Computer Science

May - October 2021

After successfully acquiring grant funding from the Engineering and Physical Sciences Research Council (UKRI), I was lead researcher on a blockchain project concerning the applications of blockchain technologies in genomics. This required the systemic review of industry-leading literature in the field of medical data analytics and biobank cybersecurity, for the purpose of preserving the integrity of patient information. I was responsible for liaising with Senior Computer Science lecturers and PhD researchers to manage the project, operate modular debugging tests and test the final product for efficiency, before completing an academic project report. The main tools in this project were VS Code and Anaconda (Jupyter, Pycharm and Spyder). The programming languages used were Python, Golang and Java.

Blockchain Development

Quantum Minds Ltd.

December 2018 - April 2020

During this role I worked as a researcher on blockchain development projects. This involved extensive literature review of leading blockchain projects in the context of both cryptocurrencies and supply line networks. I was responsible for writing reports concerning the use case and application of cryptographic technologies, which included in-depth reports on Ethereum and networks. I gained experience in writing and deploying smart contracts on solidity, Ethereum and Hyperledger. I contributed toward the development of a website using Java, Javascript and SQL. I also engaged in outreach programmes which involved teaching introductory coding languages to underrepresented demographics in STEM.

Professional References

For further insight into work ethic and professional conduct, references are available on request.