Experience

Product development

Back-end / services

Front-end / interfaces

FinTech / blockchain

Desktop software

OS / admin

Loves

Cheese pizza

Music

Overwatch

May 2021 - Mar 2022

Rust Engineer - Cypher.trade ∕

Solana, Anchor, SPL, Margin trading, Google

• I helped customers get funds into the Cypher trading system by developing a secure deposit system.

Feb 2018 - Jun 2018

Lead DEX Engineer - Exodus.io /

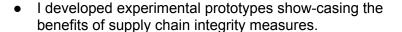
Ethereum, Truffle, Nodejs, ERC-20, Metamask

- I developed an experimental prototype for trading ERC-20 tokens without a trusted third-party.
- I was responsible for designing smart contracts and building the trading engine for matching orders.

Apr 2017 - Feb 2018

Lead Blockchain Engineer - Ambrosus

Ethereum, Solidity, Truffle, JS, Nodejs, Python



• I oversaw the development of a browser for financial contracts to cut-down on duplicate design efforts.

Oct 2015 - Mar 2016

Python Engineer - Storj.io 🖊

Python, Twisted, Bitcoin, DHT, Kademlia

- I contributed to the design of peer-to-peer information storage and retrieval mechanisms.
- I developed client libraries for transferring files.



Portfolio

Async networking ∠

Events are arbitrary /

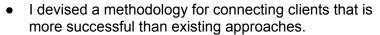
Pay for private keys *Z*

Timechains Z

Jan 2022 - Current

P2P Networking Library - P2PD /

Python, Asyncio, NAT, STUN, TURN, Sockets

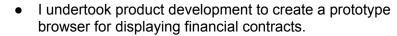


 I established infrastructure and processes for testing that significantly improved software quality.

Apr 2017 - Feb 2018

Contract Browser - Ambrosus /

Ethereum, Truffle, Nodejs, ERC-20, Metamask

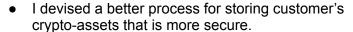


• I designed contracts to highlight the company's main value offering for client demos.

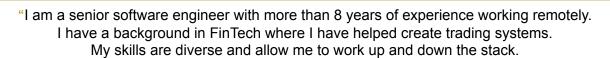
Jan 2013 - Mar 2016

Decentralized Exchange - Coinbend ✓

Python, Bitcoin, Networking, Applied Cryptography



 I designed and built the interface, financial logic, and architecture necessary to reach MVP.



Feel free to reach out if there's a mutual interest."



Github: robertsdotpm ↗

Software Engineer matthew@roberts.pm

Matthew Roberts

Easter Egg

Most people know that PDFs are a format for documents. But probably not many know about the more advanced features of PDFs. A PDF document is capable of containing rich media content like sound and movies - but also: whole interactive experiences are possible.

I wanted to see if I could use these features to try make my resume stands out a little more. What I've come up with is a simple snake game that uses a grid of input fields as a pixel-based display. The game should work on Firefox and Adobe Reader (desktop). But not in Chrome or Edge (these browsers use an in-built PDF viewer with limited support for Javascript.)

Give it a go. Use ASDW for movement of the snake.

Your score High score