

Experience

Product development

Back-end / services

Front-end / interfaces

FinTech / blockchain

Desktop software

OS / admin

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 developed experimental prototypes show-casing the benefits of supply chain integrity measures.
- I oversaw the development of a browser for financial contracts to cut-down on duplicate design efforts.



Loves

Cheese pizza

Music

Overwatch

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.



See portfolio for work samples.

Portfolio

Coinbend whitepaper ↗

Async networking ↗

Events are arbitrary ↗

Pay for private keys ↗

Crossroads browser ↗

Timechains ↗

Jan 2022 - Current

P2P Networking Library – P2PD ↗

Python, Asyncio, NAT, STUN, TURN, Sockets

- I devised a methodology for connecting clients that is more successful than existing approaches.
- 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 undertook product development to create a prototype browser for displaying financial contracts.
- 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 devised a better process for storing customer's crypto-assets that is more secure.
- I designed and built the interface, financial logic, and architecture necessary to reach MVP.



“I am a senior software engineer with more than 8 years of experience working remotely. I have a background in FinTech where I have helped create trading systems. My skills are diverse and allow me to work up and down the stack.

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

Github: robertsdotpm ↗

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