

Carson Roscoe

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Work Experience

IYK Inc. Winter 2021 - Current
Software Engineer

NFTs Bridging Digital and Physical Experiences: [Solidity](#), [React](#), [NextJs](#), [GraphQL](#), [Hardhat](#)

- Core developer for web3 products that onboarded thousands of users
- Partnered with ENS & POAP at Devcon Bogota to provide ENS cards to hundreds of attendees
- Refactored smart contracts to become upgradeable & support additional features
- Developed custom mint pages for hundreds of events to airdrop NFTs to attendees
- Developed custom web3 portals for dozens of artists', from apparel to music
- Wrote NextJs endpoints verified by AES & ECDSA signatures for minting & transferring tokens

Admin Dashboard: [React](#), [NextJs](#), [NestJs](#), [Alchemy API](#), [Ethers](#), [Wagmi](#), [Hasura](#)

- Developed a dashboard for customizing NFC products for various web3 use cases
- Integrated with POAP to allow POAP NFT distribution through proximity to our products

Research & Development: [Solana](#), [Rust](#), [The Graph](#), [Foundry](#)

- Spearheaded multiple R&D ventures into Solana, The Graph, L2 Networks/Blockchains, and more

Cajarty Software Ltd. Spring 2018 - Current
Software Developer & Co-Founder

Ethereum Digital Canvas: [Solidity](#), [React](#), [Truffle](#), [web3js](#)

- Published our first Ethereum DApp in 2018
- React frontend integrating with the smart contracts through web3js
- Over 100 users with 2000 transactions

Custom Game Engine & MMORPG: [NodeJs](#), [PixieJs](#)

- Developed an online multiplayer game
- Over 10,000 registered accounts

Entered two EthGlobal hackathons & won 5 cash prizes

JRP Solutions Ltd. Summer 2015
Software Developer

Forestry Tracking Software: [C#](#), [Xamarin](#), [C++](#), [GECODE](#), [Entity Framework](#)

- Created optimized DLLs for scheduling Summer 2016
- Integrated Entity Framework into legacy software Summer 2017
- Created custom publishing software for one click deployment Winter 2018 - Winter 2021
- Recreated desktop product into Android & iOS apps

Education

British Columbia Institute of Technology 2016 - 2018

Bachelor of Technology in Computer Systems

Minor in Game Development

Graduated with Distinction

British Columbia Institute of Technology 2014 - 2016

Data Communications & Internetworking Diploma

Graduated with Distinction

Projects

NodeJS Blockchain Research Project 2017 - 2018

- Created blockchain protocol for low-latency networked games
- Published a 131 page research report on findings