

---

# Michael Carroll

## Software Engineer

Email - [michaelcarroll1999@gmail.com](mailto:michaelcarroll1999@gmail.com)

Whatsapp - +1 (978) 857-3420

Website - <https://michaelc1999.github.io/MCarroll-Website/>

GitHub Repos - <https://github.com/MichaelC1999>

---

## My Stack

JavaScript, Solidity, Web3, Ethers.js, Express.js, React, Node.js, Mocha, Hardhat, MongoDB, Truffle Suite, Socket.io, IPFS, MySQL, jQuery, CSS, Linux, Github, Axios

## Professional Experience - 1 Year (Freelance/Contract work)

### Maximum Processing Inc 6/2021 - 12/2021 Bradenton, FL, USA

- Contracted to help update older systems from Delphi to JavaScript.
- Built customized insurance management systems per client needs.
- EJS, Node.js, Sails.js, MySQL.

### Rede Namoro 1/2021 - 5/2021 Belo Horizonte, MG, Brazil

- Hired to make a dating application for Brazilian users.
- MERN fullstack application built from scratch (see DatingSite in "Projects").

## Projects

### En Eff Tee Marketplace (Solidity + Next.js) <https://michaelc1999.github.io/NFT-Marketplace/>

- Basic platform to mint and trade NFTs on the Ethereum Rinkeby testnet.
- Two smart contracts, one of which uses the Openzeppelin ERC-721 base.
- Ethers.js, Web3Modal, and Hardhat among Web3 tools used.

### EthHeritage (Solidity + React) <https://michaelc1999.github.io/EthHeritage/>

- Staking/Inheritance dApp with project ERC-20 token rewards
- Contract designed to handle Eth/ERC-20 transactions between addresses in many-to-many, one-to-many, many-to-one relationships with gas efficiency.

### MapApp (MERN) <https://map-app-ylbrk.ondigitalocean.app/>

- Application with a fully interactive map, markers, and posting.
- Full map navigation and a search bar to find specific places.
- Front-end uses React and MapBox, requests to Node.js REST API.

### DatingSite (MERN) <https://dating-site-template-tna4c.ondigitalocean.app/>

- Dating app with profile creation, user matching, and messaging.
- Image uploading with custom image crop tool.

### Design Practice Engine (React.js) <https://michaelc1999.github.io/Design-Practice-Engine/>

- Users practice HTML/CSS by building copies of a given wireframe.
- The user-written code is rendered live within the page.