Zach Calfin

(856) 381-6807
zach@calfin.io
calfin.io

EXPERIENCE

Senior Software Engineer, Founding Member *(Oct 2021 - Present)*
Mystic.com, Remote
- Help build and maintain blockchain indexers for quickly accessing transaction and token data from the blockchain
- Create an API to feed data from our blockchain indexers to our NFT analytics platform
- Write code to ingest data from the indexer APIs, calculate and store NFT-related metric data points
- Maintain and improve product performance, reliability, and security through ongoing testing and debugging
- Contribute to the overall architecture and design of the NFT analytics platform
- Interface with blockchain contracts to gather real-time information about NFT collections and keep the data updated

Software Engineer *(Nov 2020 - April 2022)*
Penn Interactive Ventures, Remote
- Developed internal tools and backend API endpoints as a member of the casino and player account and compliance teams
- Contributed to the onboarding of new employees and provided technical guidance to team members
- Analyzed user feedback and customer complaints to identify areas for improvement
- Collaborated with cross-functional teams, including product management, marketing, compliance, front-end engineers and designers
- Improved user experience by adding integral features such as a "second chance KYC", secure tax document delivery, new casino games and an upgraded registration process
- Integrated 3rd party validation libraries in the backend API to ensure accurate and up-to-date information for all users

Software Engineer *(Nov 2018 - Nov 2020)*
CoinMarketCap, Remote
- Designed, developed, and implemented a JavaScript & Python-based system for 250+ projects, which generate over 9 million monthly page views, allowing exchanges or crypto asset teams to self-report details to be displayed on CMC
- Expanded and maintained CMC's Professional API, generating over 600 million monthly requests, via the creation and improvement of JS endpoints ensuring users have access to a wide array of CMC's data
- Facilitated integration of CMC's API with high-value third-party services and financial institutions using several different languages
- Refined a suite of Python & JS based internal tools to manage all of CMC's web content as well as improved user account management tools for 1 million users
- Designed and deployed Python automation tools to allow team members to pull verified currency and exchange data from external sources
- Implemented and updated web pages with new layouts, features, or data while troubleshooting issues and improving presentation
- Collaborated with advertising team to test and implement SEO improvements
- Developed, updated, and maintained a set of modules that are used to collect and store market and supply data for the 4,500+ crypto assets that CMC tracks

Software Engineer *(Dec 2015 - Jan 2018)*
Jr. Software Engineer *(June 2015 - Dec 2015)*
MAD Collective *(formerly CMP Tech)*, Rochester, NY
- Worked with an internationally distributed team to develop internal reporting tools used by the marketing, finance and administration teams to gauge the effectiveness of different marketing techniques

Owner *(June 2012 - May 2015)*
Pulsar Technology Solutions, West Deptford, NJ
- Set-up and maintained small business networks, technology and workstations
- Developed custom applications

EDUCATION

BS in Software Engineering
Rochester Institute of Technology

Minor:
Web Development

Concentration:
Advertising and PR

SKILLS

Certifications
A+, CCENT, and IC3

Programming Languages
C++, C#, Dart, GO, Java, JavaScript, jQuery, PHP and Python

Proficiencies
- Agile methodologies
- Developing in a full stack environment
- Modular system architecture design
- MySQL, PostgreSQL, MongoDB, DynamoDB and redis
- Test Driven Development
- Docker & Vagrant containers
- Git