Daena McClintock

Fullstack Software Engineer | Blockchain Developer – Boston, MA

Portfolio: https://daenamcclintock-swe-portfolio.netlify.app/ • https://github.com/daenamcclintock

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SKILLS / INTERESTS

Programming Languages: Solidity, Javascript ES6, Typescript, Python, HTML, CSS, SQL, GraphQL
Frameworks: React, Web3.js, Ethers.js, Next.js, Node.js, Express.js, Three.js, Hardhat, Brownie
Databases & Backend Applications: MongoDB, Mongoose, Django, Postman, PostgreSQL, Moralis
Deployment: Heroku, AWS, Netlify
Other Technical Skills: Microsoft Excel and PowerPoint, Financial Modeling, DCF Analysis, Bloomberg Terminal, Stata
Interests: Skiing, Surfing, Playing Guitar, Reading, Live Music, Travel, Cryptocurrency Mining

PROJECTS

Web3 Social
Fullstack social media application built for the web3 community to collaborate. Application features user secure sign in and authentication with a web3 wallet of choice, the option to set owned NFTs as a profile picture, and edit other aspects of the social media profile. Users can post written content as well as photos, which are stored in IPFS and accessed via a Moralis database. Smart contract developed with Solidity, tested with Chai, and deployed using custom Hardhat JS scripts. Frontend built with React and Web3UIKit.

NFT Marketplace
Fullstack NFT Marketplace where users can list and sell NFTs from their wallets as well as browse and purchase NFTs listed by other users. Application features full CRUD functionality as well as the ability for users to withdraw funds from NFT sales to their connected Web3 wallet. Smart contracts deployed to the Ethereum Rinkeby Testnet and database hosted on Moralis. Wrote passing Chai tests to ensure all Smart Contract code works correctly.

LuxEstate
Fullstack luxury real estate application built with the MERN tech stack. Application features user authentication with custom three factor authentication. Includes full CRUD user functionality, third party APIs for geolocation, seeded property data, and complex logic for filtering and searching properties. Individually developed in a four business day turnaround time.

Gytshop
Fullstack e-commerce store built with Javascript, React, CSS, Bootstrap, and MongoDB. Hosted on GitHub and deployed using Heroku. Application features user authentication and full CRUD functionality. Built a proprietary API to seed data and utilized the third party Stripe API for payment processing. Developed in a team of four in a three business day turnaround using Agile development.

WORK EXPERIENCE

CinderBlox, Los Altos, CA | Remote   June 2022 – Present
Fullstack Blockchain Engineer
- Collaborating with developer team to build out a platform for tokenization of commercial real estate assets
- Building smart contracts with Solidity, backend infrastructure with Express & MongoDB, frontend with React, Next.js, Ethers.js

BNY Mellon Wealth Management, New York, NY   June 2020 – February 2022
Portfolio Analyst
- Conducted due diligence on a variety of asset and sub-asset classes for inclusion in client investment portfolios
- Met with clients regarding financial planning, estate planning, trust and tax planning, cash flow analysis, and fiduciary risks

The Bank of New York Mellon: Mellon Investments, Boston, MA   June 2019 – August 2019
Equity Research Summer Analyst
- Created comprehensive DCF financial models to calculate the intrinsic valuation of prospective investments within the sector
- Worked with analyst team to research equities within the global natural resource sector; pitched to active equity portfolio managers

EDUCATION

General Assembly   February 2022 – May 2022
Software Engineering Immersive Program
- 500+ Hour Full-Stack Development Bootcamp

University of Massachusetts Amherst, Amherst, MA   September 2016 – May 2020
Isenberg School of Management and Commonwealth Honors College
Bachelor of Business Administration in Finance; Bachelor of Arts in Economics   Cumulative GPA: 3.81/4.00
- Cum Laude; Commonwealth Honors College Scholar with Greatest Distinction   Major GPA: 3.93/4.00
- Honors Thesis: The Effect of Microfinance on Poverty Alleviation in Developing Economies