

Dillon Petito

dillonpetito@gmail.com
github.com/dillon
dillon.global

Software Engineer specializing in Full Stack Javascript with `React`, `React Native`, `Redux`, and `Node.js`.

RECENT PROJECTS

Monitor 2018

`React Native` mobile app that keeps track of Ethereum transactions. Uses `Firebase Functions` written in `Typescript` to manage user auth, webhook subscriptions to the blockchain with a secure `REST` endpoint for triggering push notifications, subscriptions to database events that trigger external APIs, and more. In beta via Testflight.

Bitcoin Transaction Stream 2019

`React` `Redux` web app that visualizes unconfirmed transactions and confirmed blocks as they happen live on the Bitcoin blockchain. Uses `websockets` with `redux-saga`. Styled with `styled-components` and built with the presentational/container design structure.

SELECTED EXPERIENCE

React & React Native Developer, nOS 2019-Present

Bootstrapping a `React Native` mobile client for the virtual operating system nOS, which connects users to decentralized applications (dApps) and the decentralized web. Implementing cryptocurrency wallet functionality and account management.

Artist Assistant, Jonathan Horowitz 2017-Present

Created and maintained several websites for the artist and his projects. Developed `Node.js` software that entirely automated the artist's printmaking process. Photo, graphic, 3D, and video post-production.

Marketing Coordinator, VFILES 2016-2017

Managed production, release, and analytics for media across all digital communication platforms, including an instagram account with over 300,000 followers.

Digital Preservation Fellow, Rhizome 2016

Audited historical web-based artworks for re-staging in the Net Art Anthology. Archived new works with Webrecorder software. Wrote about the history of art on the web.

EDUCATION

New York University, Gallatin 2012-2016

B.A. Individualized major concentrating in contemporary and digital art history and critical theory.

FreeCodeCamp 2018

Full Stack certification, representing 1800 hours of coursework.

Harvard CS50: Introduction to Computer Science 2018

Algorithms & data structures, resource management, security, and web development in `C`, `Python`, `SQL`, `Javascript` and more.

Harvard CS50 Mobile App Dev. with React Native 2018

`React Native` and `Redux`; debugging and testing for mobile with `Jest`.

SKILLS

GENERAL

- Object Oriented Programming
- Algorithms & Data Structures
- Responsive Web Design
- Mobile Development
- Data Visualization
- APIs and Microservices
- QA Testing, Debugging, and Security
- Package Management
- Version Control

FRONT END

- `React` expert
- `React Native` confident
- `Redux` confident
- `Styled Components` confident
- `jQuery` confident
- `D3js` familiar
- `Flask` familiar

BACK END

- `Node.js` expert
- `RESTful API` confident
- `Firebase` confident
- `Heroku` familiar
- `Express` familiar
- `MongoDB` familiar
- `SQLite` familiar
- `Helmet.js` familiar

SOFTWARE

- `NPM` & `Yarn` expert
- `Git` & `Github` expert
- `VS Code` expert
- `Adobe Suite` expert
- `Chrome Devtools` confident
- `Expo` confident
- `XCode` beginner

LANGUAGES

- `Javascript ES6` expert
- `Python` expert
- `HTML5` & `CSS3` expert
- `C` familiar
- `Typescript` familiar
- `Sass` familiar
- `Swift` beginner

OTHER LIBRARIES

- `Bootstrap` expert
- `Hugo` confident
- `Dat` & `Beaker Browser` familiar
- `GraphQL` beginner
- `Urbit` beginner

July 2, 2019
Dillon Petito
New York, NY
dillonpetito@gmail.com

To whom it may concern,

I'm writing to inquire about a Software Engineer position at MerklePro. I'm a software engineer with a specialty in front-end and full-stack development with React, React Native, Redux, and Node.js, and knowledge of object oriented programming in Python.

I have a BA from NYU and learned software engineering with the help of Harvard CS50, CS50-mobile, and FreeCodeCamp's Full Stack curriculum. Since then, I've launched a number of web and mobile applications for myself and clients. Most recently, I've been hired as a part-time contributor to a virtual operating system build for the decentralized internet called nOS, where I'm bootstrapping their React Native application's cryptocurrency wallet functionality and building solutions for bringing otherwise-incompatible cryptography libraries to React Native.

My interest in cryptocurrency began in 2012, and a desire to better understand blockchain technologies is what led me to learn software engineering. Early on in the process, my interest in cryptocurrency trading platforms built with React and Redux influenced my decision to specialize in these two front end libraries. Cryptocurrency and decentralization remain strong interests of mine, and are core aspects of most of my personal projects.

I'm passionate about modern web development and have done extensive full stack development with libraries such as React and React Native, state-management with Redux, and backend development with Node.js. Some of my other interests include web3, p2p, and UI design.

Almost all of my public projects revolve around the Javascript ecosystem, and can be found at dillon.global/projects. Below, I'll highlight how my experience reflects the job listing while also aiming to illustrate my knowledge of other, general software engineering concepts.

- 4+ years professional work experience.
- 5+ years contributing to the blockchain and cryptocurrency landscape as a trader, investor, or developer.
- 2+ years experience Javascript ES6 & Python development, algorithms and data structures.
- React, React Native, Redux, and Node.js experience building and deploying apps.
- Object Oriented Programming in Python, Javascript, and some Typescript and C.
- Linux experience with cloud computing on Heroku and DigitalOcean – setting up and managing a blockchain masternode as well as seeding decentralized websites with dat protocol and homebase.
- Linting and atomic design patterns with React, Redux, Javascript, CSS, Sass, and more.
- Testing and mocking with Jest, Nock, Mocha, and Chai.
- Built React Native iOS app with user auth and push notifications, in beta via TestFlight.
- Blockchain experience creating/handling websocket and webhook connections to events on the Bitcoin and Ethereum blockchains, and building a secure RESTful webhook endpoint that triggers iOS push notifications.
- REST APIs including security measures, testing, and integration with various databases.
- Package managers, version control with git, issue tracking with Github, semantic versioning.

I'm excited by the prospect of continuing to use these skills as well as to pick up new languages, libraries, and technologies. I learned software engineering with the goal of using my skills to contribute back to the cryptocurrency space. I believe MerklePro is an environment well suited for me to achieve this goal. I'm excited and willing to relocate to Hong Kong. I've attached my resume and can be reached at dillonpetito@gmail.com. Thank you for your consideration.

Sincerely,

Dillon Petito