

Dillon Petito

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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