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

GunControlGrades.org 2018
Created a `React` and `react-router` web app that allows users to create a personalized voting card for the 2018 midterm elections based on their state candidates' stances on gun control. Designed with extensive event-based analytics. Made for Jonathan Horowitz and Downtown For Democracy.

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`