

Dillon Petito

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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

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

May 24, 2019
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To whom it may concern,

I'm writing to inquire about a Proprietary Trader/ Software Engineer position that I found on angel.co. I'm a software engineer with a specialty in full stack development and experience developing for and trading in the blockchain and cryptocurrency space.

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 using mostly React, React Native, Redux, and Node.js.

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've been actively day-trading crypto on-and-off since 2017.

I'm passionate about modern web development and the Javascript ecosystem 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, mobile development, and UI design.

Almost all of my projects revolve around Javascript, 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, language-agnostic engineering concepts.

- 5+ years in the blockchain and cryptocurrency space as a trader, investor, or developer.
- 2+ years experience trading, technical and fundamental analysis, etc.
- 1+ years experience Javascript ES6 & Python development, algorithms and data structures.
- A university degree and more than 2 years working experience.
- Experience working in fast-paced startup environments.
- Object Oriented Programming in Python, Javascript, and some Typescript and C.
- Extensive experience building and deploying React, React Native, Redux, and Node.js apps.
- Linting and design patterns with React, Redux, Javascript, CSS, Sass, and more.
- Testing and mocking with Jest, Nock, Mocha, and Chai.
- In-depth knowledge of HTML5, JSX, CSS3, as well as several CSS pre-processors.
- Built React Native iOS app with user auth and push notifications, in beta via TestFlight.
- Websocket and web hook experience managing subscriptions to events on the Bitcoin and Ethereum blockchains, and building a secure RESTful webhook endpoint that triggers iOS push notifications.
- Linux experience managing seeding decentralized websites with dat protocol and homebase.
- Setting up and managing a blockchain masternode with Linux
- Back end development with Node.js in Javascript and Typescript.
- REST APIs including security measures, testing, and integration with various databases.
- Package managers, version control with git, issue tracking with Github, semantic versioning.
- Habit of thoroughly documenting my work (i.e. github.com/dillon/monitor, dillon.dev).

I'm excited by the prospect of combining my trading and software skills in the crypto industry. It's my goal to develop my software engineering and financial analysis tools, and to work with emerging technology on the forefront of the financial industry. Pulsar is an environment well suited for me to achieve these goals. I've attached my resume and can be reached at dillonpetito@gmail.com. Thank you for your consideration.

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