David Brian Ethier

Software engineer with over 10 years of experience. I am extremely passionate about architecting elegant systems which are a joy for co-workers to work on and for customers to use. I am endlessly curious, and while I am confident in my ability to learn anything, I remain a 'Humble Programmer' (see Dijkstra). I value great software engineering and precise communication. I have developed a keen sense of evaluating tradeoffs both in software and business from my experience starting, building, and scaling numerous startups.

ABOUT

Location:
Boulder, Colorado
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EXPERIENCE

Ethereum — *OSS Project Maintainer*

2018 - 2019

Early developer and maintainer for the Burner Wallet, **a web-based crypto wallet**. Created Solidcoin, a company which creates anodized aluminum coins with QR codes to redeem cryptocurrency. Created **smart contracts** for BuffiDai, the currency used at ETHDenver 2019. (**3000 participants, over $100,000 transacted in a weekend**).

Cognizant Accelerator — Staff *Engineer*

2017- 2018

Lead developer for the **internal incubator program** at Cognizant. Took ideas from inception to MVP in 6 month sprints. Built a **supply chain simulator** to aid in predictive capabilities. Played an important role in shaping the accelerator's structure and design. **Mentorship, leadership, process improvement and design thinking** in addition to software.

Dream— *Founder*

2014 - 2017

Personal **consulting company** working with Silicon Valley startups and y-combinator companies. Built **large-scale Hadoop clusters**, implemented **graph databases**, and **optimized website load times** by an order of magnitude.

Copilot Labs— *Software Engineer*

2012 - 2014

Built **analytics software** for restaurants. Architected, implemented and maintained a **100 machine Hadoop cluster**. Used **Pandas for data analysis** and to optimize sales for restauranteurs.

Rails Bridge— *Teacher*

2012 - 2013

Volunteered time **teaching monthly Ruby on Rails** workshops. Held weekly office hours to supplement my student's **education** and help **debug** their projects.

TECH STACK

Programming Languages:
Python, Javascript(ES6), Ruby, Java, Solidity

Frameworks:
React, Ruby on Rails, Django, Express, Truffle

Devops:
Docker, AWS, Linux

Topics of Interest:
Blockchain, Functional Programming, Economics, Game Design, Mechanism Design, Machine Learning

Rapleaf— *Software Engineer*

2010 - 2012

Full-stack development using **Ruby on Rails**. Built user-facing **analytics dashboards** summarizing results over massive, **billion+ datapoint reports.** Built **Cascading** jobs to run on our **Hadoop Cluster**.

Harris Corporation— *Software Engineering Intern*

Summer 2010

Built tools for **CDMA specification parsing** and reporting. Interfaced with **embedded linux device** for data collection.

Phillips Healthcare— *Engineering Co-Op*

2009 - 2010

Created a **wireless device** used to **stream video** into a hospital MRI room. **Custom circuitry** required for shielding from extreme magnetic field.

American Express— *Engineering Intern*

Summer 2009

Created **internal tooling** for new business development initiatives. Created **cost models in Excel**, and gave presentations to stakeholders.

EDUCATION

University of Florida—Computer Science

2006 - 2010

Graduated Cum Laude from the **Honors Program** in the **College of Engineering**.

PERSONAL PROJECTS

ETH.RIP — *http://eth.rip*

An art project built on the Ethereum Blockchain where users can proveably burn their money and attach a message for posterity. Includes smart contract development as well as a React front end.

Burner Wallet — *https://xdai.io*

A web-based crypto wallet. Dramatically lowers the barrier to adoption of crypto. Allows users to send/receive crypto within seconds without having to create an account. Used at ETHDenver with my smart contracts for BuffiDai to facilitate 3000 users to transact over $100,000 in a weekend.