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## Summary

I'm a Full Stack Developer with 6 years of industry experience and an eye for design. I specialize in covering many aspects of both Frontend and Backend development to round out teams as a versatile generalist. I'm constantly looking for challenging projects in order to grow and improve my skillset, both as a designer and as a developer.

Outside of my work, I'm an active Bitcoin evangelist, Pythonista, and Open Source contributor. In my free time I run a Web Design / Development community on Freenode.

One of my personal projects at the moment is Whisper, an app built with Bottle and Angular to encourage decentralized hubs for instant and anonymous encrypted email delivery.

## Expertise

### Frontend

I have a very strong understanding of frontend development and optimization, hardened by many years of experience and streamlined with both modern tools and techniques.

My skills include:

- HTML, CSS
- JavaScript, Typescript, jQuery
- BackboneJS, AngularJS, ReactJS
- Foundation, Bootstrap, Pure
- SASS, Grunt / Gulp
- Photoshop & Illustrator

### Backend

I am an experienced developer with a wide and deep understanding of fundamentals such as OOP, application security, MVC / HVMC architecture, and test driven development.

As a Full Stack Developer, I'm always looking to improve. What I know encompasses most aspects of backend development, and I am always eager to learn more.

My skills include:

- Python – Bottle, Flask, Django
- PHP – Symfony, Kohana, FuelPHP
- Database Systems – PostgreSQL, MySQL, SQLite
- Deployment Tooling – Git, Docker, Vagrant, AWS
- Linux Administration – Apache, Nginx, Varnish
- Other skills – C++, Tetris

## Recent Experience

### Front End Engineer – Safari Books Online

// March 2016

Engineered a frontend stack that allowed the company to stay agile and iterate rapidly on customer requested features to close on \$1MM+ in sales.

Learning platform later acquired by O'Reilly Media.

### Achievements

- Implemented a flexible React + Backbone + Django stack written in ES6 to create a rapid turnaround environment for customer requested features that could be easily developed, maintained and tested.

- Worked closely with both B2B customers and B2C users in order to improve our UX standards across the product and develop tools to increase user retention and product sales.

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### Full Stack Engineer – Ribbit.me

// September 2014

Lead a team of three to build a payment platform from the ground up for digital currency Ribbitcoin in one month. The Ribbitcoin platform launched to 25,000 users and made \$75,000 in crowdsourced funding within the first three days.

### Achievements

- Overcame many setbacks to launch a fully functional and well designed platform within extreme time constraints using many different technologies.

- Utilized Angular to build an experience integrating 8 different payment APIs, presenting users with a single unified interface to make purchases and track the event with realtime data.



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## Recent Experience (Continued)

### *Web Developer – Bitcoin Friday*

// December 2013, November 2014

Designed, developed, and launched a platform for approx. 100,000 users in 48 hours to participate in Bitcoin Black Friday deals. Developed alongside privacy non-profit *Fight For the Future*. As seen on *CNBC*, *The New York Times*, *NBC*, and *CNN*.

- Brought together enough merchants and users to account for 10% of global BTC transaction volume.
- Built a unified directory in 3 days, allowing merchants and users to submit deals and sign up, combining the data into a single JSON API.
- Increased public awareness and usage of Bitcoin, bringing international coverage and an array of eligible merchants to the cryptocurrency and reaching new users as distant as South Africa, China, and Thailand.

### Skills Employed

1. HTML / CSS / Javascript / React
2. Adobe Photoshop + Adobe Illustrator – Prototyping, Logo, Design, and Marketing Materials
3. Ruby – Backend Development
4. Unicorn + Varnish – Load Balancing, and Caching

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### *Lead Web Designer & Developer – Bitcoinstore*

// July 2013

In 2012 we set out with one goal: to break \$1MM in revenue, or force vendors like Amazon & Newegg to accept Bitcoin. I worked with a team of 5 to go above and beyond that goal.

(As of writing, Both Newegg and TigerDirect now accept Bitcoin!)

- Designed and optimized a storefront to withstand up to 30,00 concurrent users/second utilizing caching, compression, and key-value data storage
- Iterated through UX revisions using A/B tests in order to help push monthly revenue to \$1MM through better usability.
- Developed Magento plugins in order to fulfill our site's needs: Varnish integration, live payment API integration, social media / customer support integration and more

### Skills Employed

1. HTML / CSS / Javascript
2. Adobe Photoshop – Prototyping, Design, and Banners
3. PHP – Theme Templating, Backend Development, Plugins and Scripting
4. Pagodabox + Redis + Varnish – Site Optimization, Load Balancing, and Caching

Misc. Technologies - Jira, Hipchat, Slack, JSHint, Sphinx, Babel, Grunt, NodeJS, RequireJS, JSPM, SystemJS, NewRelic, LogEntries, Google Analytics, Optimizely, Travis CI, Jenkins, Selenium, Mocha, QUnit, Tox