

# Steven Cipriano

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## Recent Highlights

Depict Inc.

- Designed and built scalable database schema of over 20 tables, 25 controllers, and hundreds of unit and controller tests.
- Performed a full database optimization audit, improving request response time by 50%.
- Implemented sales, preorder, and tax integration that has handled hundreds of transactions and over \$100,000 in revenue.
- Optimized unit, controller, and acceptance test suite, improving run time 52% (21 mins → 10 mins).
- Performed code review on hundreds of pull-requests from engineering team members.
- Designed and implemented a full JSON, RESTful API for mobile consumption.

## Skills

3 ½ years programming experience

- 2 years of Python experience
  - 8 months experience with Twisted framework
  - Various scripting, text and csv processing, and wrappers to leverage API services
  - Autobahn library for websocket support
  - Working knowledge of Django framework
  - Nose framework for unit testing
- 1 ½ years of Ruby on Rails and PostgreSQL experience
  - Full site and schema design, including API and 3rd party service integration
  - Taking business goals and translating to deliverable specifications
  - Unit and controller testing in RSpec, acceptance testing in Capybara and Selenium
  - Solr search integration
- 3 years of Javascript experience
  - NodeJS
    - MongoDB integration
    - Asynchronous image processing services
  - AngularJS
  - Leveraged Jasmine testing framework
  - JQuery and AJAX
  - Some experience with KnockoutJS
- MySQL and Couchbase database utilization
- AWS and Heroku deployment and administration experience
- Unix command line tools and bash scripting
- Apache server configuration
- SHA data encryption
- Git version control

- Google Maps and other Google API integration, Youtube embedding
- ffmpeg and ImageMagick

## **Education**

UC Berkeley

August 2007 - May 2011

Major: Materials Science Engineering

Minor: Physics

GPA: 3.3

4 Year Regent Scholar (full academic scholarship)

## **Employment History**

Depict Inc

January 2014 - Present

*Fullstack Engineer*

- Played integral role in building an original digital art sales and distribution product.
- Built browser plugins for communication with custom hardware devices on user's local network
- Architected and implemented new features and extended existing functionality.
- Provided timescale, scoping, and complexity analysis for potential projects.
- Code reviewed teammates' pull requests.
- Conducted technical interviews and phone screens of potential candidates.
- Integrated with Amazon S3 for data storage.
- Stripe payment and Avalara tax integration
- Collaborated building image and video processing and refinement services across platforms.

Phigital Inc.

June 2013 - December 2013

*Software Developer*

- Built website and maintained servers for an experiential content app for iOS and Android
- Leveraged and optimized the Python Twisted server framework for request handling
- Utilized the Autobahn Python and JS libraries for websockets, authorization, etc
- Implemented Couchbase (NoSQL) and its Python SDK
- SHA data encryption to protect user information
- Integrated Google Maps, Youtube, and other Google API services
- Architected JSON-RPC and JSONP solution for cross-domain requests
- AngularJS (directives, services, 3rd party library integration, etc)
- HTML5, CSS3 (transitions, animations, etc), and JQuery for responsive design

Freelance Web Development

May 2012 - June 2013

*Web Developer*

- Project scoping and modularization
- Direct interfacing with clients
- Built websites and web applications utilizing HTML5, CSS3, and Javascript.

- Worked extensively with the AngularJS web framework creating responsive apps for cross-platform support on multiple devices (mobile, tablet, and desktop)
- In depth usage of JQuery and JQuery UI
- Utilized NodeJS and MongoDB for backend server and database interaction
- Basic PHP and MySQL utilization
- Python integration with web APIs leveraging Twisted framework

IBM

July 2011 - August 2012

*Process Engineer*

- Utilized interconnected SCADA systems to collect, analyze, and interpret thousands of data points per hour.
- Drove team efforts within IBM and involving 3rd party partners to address problematic issues
- Improved process efficiency and through increased automation
- Controlled and monitored machines in a semiconductor fabrication plant using HMI technologies
- Ran diagnostics to assess the performance of a fleet of processing instruments
- Identified and troubleshoot both long-term and immediate concerns in both process techniques and machine health through investigative data evaluation
- Honed visual and written presentation techniques