

Josh Finnie

Senior Software Developer

CONTACT INFORMATION

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PROFESSIONAL EXPERIENCE

Senior Software Maven, *TrackMaven*
March 2014 - Present

- Works as a full stack software engineer for an all-in-one marketing analytics web application platform that pulls in data from customers' digital channels including social, earned & owned media, traffic, and more.
- Developing testing protocols and best practices to support a full and successful transition of the live web application from CoffeeScript to ES2015.
- Implementing a real-time tweet consumer platform collecting and analyzing over 2 million tweet a day.
- Helped found and build a Quality and Infrastructure engineering team that focuses on promoting sound application infrastructure through ensuring high quality code and developing best practices across the engineering department.

Software Developer IV, *Koansys, LLC in support of DMI, Inc.*
December 2012 - March 2014

- Developed and deployed the Interactive Satellite Tracker (iSat), an application written in JavaScript that calculates satellite positioning in real-time based off of open-source data for Science@NASA,
- Actively maintained iSat and created application enhancements to meet the needs of Science@NASA.
- Designed and built cloud infrastructure and automated scripts using Ansible to migrate Science@NASAs Content Management System to Amazon Web Services.
- Transitioned Science@NASAs Content Management System from Django to Drupal

Front-end Developer, *Koansys, LLC in support of Zerowait Corporation*
December 2013 - March 2013

- Designed a front-end web application, using the Pyramid Framework and written in Angular.js, which allows the customer to interact with a custom-built Python API.
- Integrated the Zerowait application onto a FreeBSD box for customer testing.

System Architect, *Koansys, LLC in support of IndyPublish*
August 2012 - October 2012

- Rearchitected the existing web application to Amazon Web Services.
- Rewrote customer web application from ASP.net and an Oracle database to Django and MySQL.

Application Developer, *Koansys, LLC in support of CROI, LLC*
February 2012 - November 2013

- Enhanced CROIs web application by building a custom administration interface for customer user workload management.
- Maintained up to date versions of the CROI application and MongoDB Data Base.
- Transitioned CROI annual conference web application to Amazon Web Services to support heightened traffic and database load.
- Created scripting application to facilitate mass-mailing to CROI constituents.

SKILLS

Programming Languages: Frameworks

- Javascript: Node.js, Angular.js, React.js, jQuery
- Python: Django, Flask, Pyramid
- PHP: Wordpress, Drupal
- Other Languages: Go, Haskell, Clojure, Ruby

Databases

- PostgreSQL, Redis, MongoDB, MySQL, OracleDB

Web Programming & Design

- HTML, CSS (Sass and Less), Jade, Bootstrap

DevOPs

- Amazon Web Services (EC2, ELB, RDS, S3, Route53, IAM), Docker, Git/SVN, Ansible, Fabric

Meetups

- Co-Organizer of NodeDC
- Co-Organizer of DockerDC
- Part-Time Co-Organizer of DCPython

HIGHLIGHTED PERSONAL PROJECTS

BeerLedge, <https://www.beerledge.com>

A web application that allows users to track and geotag beer selections. Users can rate their selections on a 5 star scale and create comments about their experience. The application is built in Python and is self-hosted on Digital Ocean. The platform was originally developed using the Flask micro-framework and MySQL. Further development has refactored the application to use Django 1.8 and PostgreSQL.

PushFile, <https://www.npmjs.com/package/pushfile>

A command-line application written in Node.js which allows you to push a file to Amazon Web Services S3 and gives you an URL in return. This is written in ES2015.

React.js Tutorial, <http://www.joshfinnie.com/tag/reactjs/>

A series of blog posts walking people through the creation of a web application using React.js and Express.js.

How Old is this Metro Car, <http://www.howoldisthismetrocar.com>

A web application that allows users to determine the age of Washington Metro Area Transit Authority's traincars. The application is a single-page web application built using Angular.js, written in JavaScript and hosted exclusively on Amazon Web Services S3, a static service provider.

TALKS & PRESENTATIONS

<http://www.joshfinnie.com/talks>

- Dockerizing your Node App in 5 Minutes, *NodeDC*, March 17, 2016
- Command Line Applications in Node.js, *NationJS 2015*, November 13, 2015
- A DSL in Python, *Django District, etc.*, October 27, 2015
- A Pythonista's Day-O-Haskell, *TrackMaven Monthly Challenge*, September 30, 2015
- Sneaking React into Angular, *TrackMaven Monthly Challenge*, May 27, 2015
- iSat: Lightning Talk, *TrackMaven Monthly Challenge*, January 19, 2015
- Beer Search & Recs in Elastic Search, *TrackMaven Monthly Challenge*, November 12, 2014
- Making BeerLedge Social, *Django District*, July 15, 2014
- NodeSchool Lightning Talk, *DC JQuery User Group*, June 02, 2014
- Building A Node.js Command Line Application, *NodeDC*, May 22, 2014
- Installing Drupal with Ansible, *DrupalDC*, February 10, 2014

EDUCATION

Certificates of Continuing Education, *MongoDB University*

M101P: MongoDB for Developers, M102: MongoDB for DBAs

Classes towards a Masters of Science, *Central Connecticut State University*

Geography (Focus on Internet GIS)

Bachelors of Art, *University of Connecticut*

Economics (Certificate in Quantitative Economics & Minor in Mathematics)