

# Josh Finnie

Application Developer

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## OBJECTIVE

Seeking a Software Developer position where I can continue to improve my programming skills and participate in creating technical standards and improving support best practices.

## SKILLS

Programming Languages: Frameworks	Python: Pyramid, Django, Flask, Javascript: Node.js, Angular.js, PHP: Wordpress, Drupal, Ruby: Rails, Sinatra	Databases	MongoDB, PostgreSQL, MySQL, ArcSDE
Web	HTML5, jQuery, CSS	Other	Git, Twitter Bootstrap

## EXPERIENCE

December 2012 - Present **Software Developer IV**, *Koansys, LLC in support of DMI, Inc.*  
Developing the Interactive Satellite Tracker (iSat) for Science@NASA. (<http://science.nasa.gov/iSat/>), which is an application written in Javascript. Was Integral in deploying the application to production and continue to add enhancements to best serve our customer's needs and the needs of the public.

Working on the migration of Science@NASA's Content Management System (CMS) to Amazon Web Services (AWS). Helping with the design of the cloud infrastructure, and building automated scripts for deployment using Ansible. Also converting the current CMS from Django to Drupal.

Javascript, 508 Compliance, UX Design, HTML, CSS, Django, Drupal, Amazon Web Services (EC2, S3, RDS), Ansible

December 2013 - March 2013 **Front-end Developer**, *Koansys, LLC in support of Zerowait Corporation*  
Developed a front-end web application written in Angular.js to allow the customer to interact with a custom-build Python API written using the Pyramid Framework. Assisted in integrating the entire application onto a FreeBSD box for customer testing.

Javascript, Angular.js, Python, jQuery, HTML, CSS, MongoDB, FreeBSD

August 2012 - **System Architect**, *Koansys, LLC in support of IndyPublish*  
October 2012 Migrated an existing web application written in ASP.net using an Oracle database to AWS. Rewrote application using Django and MySQL and ensured it was multi-zone redundant allowing for minimal downtime.

Django, MySQL, Amazon Web Services (EC2, S3, RDS), ASP.net, OracleDB

February 2012 - **Application Developer**, *Koansys, LLC in support of CROI, LLC*  
November 2013 Maintained and enhanced CROI's web application by building a custom administration interface to ease customer's workload. Kept application and MongoDB versions up-to-date. Moved web application to AWS for CROI 2013 to support extra hits and database load. Sent out mass-mailing emails to CROI constituents.

Pyramid, MongoDB, STMP, Amazon Web Services (EC2, EBS)

February 2012 - **IT Support**, *Koansys, LLC in support of Westover Management Group*  
November 2013 Maintained the IT infrastructure of a 10+ person office including two Google App subscriptions, Blackberry phones, Apple hardware.

## PROJECTS

BeerLedge A web application that lets users track beers that they have drank allowing for notes and geotagging. The application is built in Python originally using the Flask micro-framework and MySQL and has been refactored to use Django 1.6 and PostgreSQL while being self-hosted on Digital Ocean. (<https://www.beerledge.com>)

How Old is this Metro Car A web application that allows users to check the age of a Washington Metro Area Transit Authority's cars. Built using Angular.js and hosted exclusively on AWS S3. The application is a proof-of-concept of a single-page web application written in Javascript and hosted on a static server provider. (<http://www.howoldisthismetrocar.com>)

LastTweetPNG A web application and API that allows users to retrieve their last tweet in the PNG file format. The url is static but dynamically retrieves the users's latest tweet each time it is called. Built using Node.js and is self-hosted on Digital Ocean. (<http://www.lasttweetpng.com>)

Other projects can be found on Github. (<https://github.com/joshfinnie/>)

## EDUCATION

**Certificates of Continuing Education**, *MongoDB University*, M101P: MongoDB for Developers & M102: MongoDB for DBAs

**Masters of Science (expected)**, *Central Connecticut State University*, Geography (Focus on Internet GIS)

**Bachelors of Art**, *The University of Connecticut*, Economics