

# Andrew Schoen

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## Objective

**To work with developers and companies who embrace open source, the best technology and agile workflows. To be given the opportunity to work on projects that challenge and push me forward as a developer.**

## Experience

**Software Engineer, Cox Media Group** Remote Work Jan '13 – Present

- Worked on the platform team for a very large and high-scale Django-based custom CMS that serves 130+ newspaper, radio and tv websites. The platform team's responsibilities included writing tools for other devs to use and breaking apart the main application into services. I worked primarily on our Solr 3 to Solr 4 transition and a new content search API.
- Integrated django-pipeline into the platform for use in minimizing and concatenating our static files. (JS, CSS, etc.)
- Developed a new schema.xml for Solr 4 consisting primarily of dynamicFields for more flexibility.
- Developed a vagrant project that would provision a Solr 4 cloud instance, using puppet, for other devs to use locally during our transition.
- Developed a set of django-haystack SearchIndex base classes that all of our new Solr 4 search indexes would use.
- Developed software to dual-index content into both Solr 3 and Solr 4. It dynamically generates SearchIndex classes for models that have a Solr 3 SearchIndex, based off our set of base classes. I also wrote many concrete SearchIndex classes for use with Solr 4.
- Developed a search API using django-rest-framework and pysolr to serve out content from our new Solr 4 cluster.
- Developed a python client library for the search API for other devs to use, modeled after the Django ORM.
- Worked on an in-house command line tool for managing AWS instances. We use this to spin up test instances of Solr 4 and our API, as well as creating AMIs for deployment.

- Worked on a research project to integrate django-cms into our custom CMS platform.
- Collaborate and work with a distributed team using tools like IRC, skype, Go To Meeting, Jira and teamspeak.
- Performed code reviews for other developers.

**Lead Web Developer, Salva O'Renick** Kansas City, MO Dec '10 – Jan '13

- Developed a GeoDjango app to help users find their local, state and federal elected officials.
- Developed an GeoDjango app to assist non-profits in finding out what congressional districts their members are in.
- Developed numerous websites ranging from large university sites to small marketing microsites with django CMS. Some being both multi-site and multi-lingual.
- Developed retirement, insurance and financial calculators using jQuery and Django.
- Developed an online coupon system for a fortune 500 financial services company in Django.
- Utilized InDesign server to generate high-res pdf output of restaurant menus. Built using Django, celery and redis.
- Leads projects and works through the whole project lifecycle from UX & strategy to development and deployment.

**Software Developer, MMG Worldwide** Kansas City, MO Oct. '09 - Dec '09

- Develop sites with Ektron CMS.
- Developed an online travel planner with jQuery.

**Sr. Web Developer, Salva O'Renick** Kansas City, MO Aug. '04 - Oct. '09

- Developed a web-to-print menu customization system utilizing Python and Django for a large restaurant franchise.
- Developed sites using Umbraco and Wordpress.
- Developed a project management application for a large financial services firm.
- Developed numerous custom CMS projects in ASP, ASP.NET & PHP.
- Developed an internal time-tracking / project management application.

- Wrote jQuery plug-ins for user interface features.

## Skills

*Languages* - Python, C#, PHP, JavaScript, puppet

*Frameworks* - Django, jQuery, GeoDjango, django-haystack, django-cms, backbone.js, ASP.NET

*Tools* - south, celery, fabric, virtualenv, pip, vim, tmux, vagrant

*Mark-up* - HTML, CSS, XML, JSON

*Database* - PostgreSQL, MySQL, MS SQL Server

*Servers* - Apache, nginx, Ubuntu, Supervisor, memcached, Solr

*Source Control* - GIT, SVN

## Community Involvement

Co-founder and organizer of Python KC, the Python user group in Kansas City, MO. Python KC now has over 200 members and 2 monthly meetings.

<http://meetup.com/pythonkc>

<http://pythonkc.com>

I contribute to projects on github, <http://github.com/andrewschoen>

## Presentations

- django CMS: Friends don't let friends use Drupal. PyOhio, 7/2012  
slides: <http://andrewschoen.github.com/django-cms-presentation/>  
video: <http://www.youtube.com/watch?v=ynsBhCXm5Jk>
- Beginner's Python Workshop - Python KC, 6/2012  
<http://www.meetup.com/pythonkc/events/62339552/>  
<http://beginners-python-workshop.readthedocs.org>
- Intro to Python - KCDC, 4/2012  
slides: <http://andrewschoen.github.com/intro-to-python/>
- Writing docs with Sphinx and readthedocs.org, Python KC, 4/2012  
slides: [http://andrewschoen.github.com/sphinx\\_lightning\\_talk/](http://andrewschoen.github.com/sphinx_lightning_talk/)  
video: <http://www.youtube.com/watch?v=jsVGaFpVOGM&feature=plcp>

## Education

University of Central Missouri — Warrensburg, MO — BSBA with CIS emphasis  
3.7 GPA, 2002 - 2004

Longview Community College — Lee's Summit, MO — Associates in Arts 2000 -  
2002