

Alex Morega

Personal

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GitHub account: github.com/mgax

Location: Bucharest, Romania

One-liner: I like finding elegant solutions to difficult problems.

Field: Web development

Job type: Full time, project-based

Job history

Web developer, Eau de Web *July 2008 – present*

We do consulting for public sector clients (e.g. European Environment Agency, World Bank). I talk to clients to learn their needs, iterate on implementation, deploy and maintain the applications in production, alone or as part of a small team. This provides the opportunity to work with a good variety of open source technologies, centered around Python web development. I submit patches to upstream whenever possible. Here's some stuff I did:

- Maintain and extend a service which hosts dozens of websites;
- Work closely with biodiversity experts to provide them with collaboration tools;
- Deliver on-site trainings;
- Render thematic tiled maps;
- Web application and data store for uploading >20GB geotiffs;
- Management and monitoring tools for an LDAP with thousands of accounts;
- Visualization service for EU statistics based on multi-dimensional data coming from an RDF database.

Web developer, Iterating Software *February 2006 – February 2008*

iterating.com was a startup where we tried to catalog software products. I got to work with RDF (the data was stored using Jena), Java servlets, and plain no-framework JavaScript. I was also administering the production servers.

Non-job

ROSEdu *2009 – present*

ROSEdu is a student organization at the CS department, Polytechnic University of Bucharest. They promote open-source technology and values among students and faculty. I help with presentations (e.g. [Python](#), [unit testing](#), [WSGI](#), [Unicode](#)), mentorship and organizing events.

Computer lab, somewhere in the Polytechnic University of Bucharest *2001 – present*

I do system administration for the computer network in a lab (a handful of servers and a couple dozen workstations). This taught me a lot about Linux system administration and keeping users happy.

Conferences

I make a point of going to conferences in order to keep current. PyCon US

(2009, [2011](#)), EuroPython ([2010](#)), RuPy ([2011](#), [2012](#)), FOSS4G-CEE ([2012](#)), TDWG ([2008](#)), Eliberatica ([2007](#), [2008](#), [2009](#)).

Personal projects

- [Airship](#) - server-side utility, which makes deployment easier, inspired by Heroku. Used in production for several projects.
- [Hambar109](#) - searchable database containing the Official Gazette of Romania. Several GB of text, some of it organized into articles using tedious heuristics.
- [Agenda cu politicieni](#) - database with contact details for Romanian politicians.

Studies

Faculty of Electronics, Polytechnic University, Bucharest *2003 – 2008*

National Informatics College "Tudor Vianu", Bucharest *1999 – 2003*

Courses, competitions

- Completed the CISCO CCNA course: 2001
- Various rankings at the Physics Olympiad, including one runner-up: 1999 – 2002

Knowledge

Programming languages

Lots of experience with Python and JavaScript; also familiar with bash, C, Objective-C, Java, Perl, PHP.

Web applications

Flask is my current weapon of choice; can write WSGI middleware by hand; dove deep into Zope source code (more than I'd like to admit); some experience with Django. Also wrote Perl CGI scripts in the distant past. Currently discovering the beauty of JavaScript MVC.

Data storage and indexing

Good experience with SQL and ORMs; some experience with non-relational data stores, especially Redis; light use of Solr and elasticsearch.

GIS

Fluent with GIS terminology, tools and practices; can set up web services and render complex maps.

Semantic web

Handy with SPARQL; familiar with RDF concepts.

Human languages

Romanian: native; English: advanced; French: enough to purchase a loaf of bread.