



About me



Djoumé Salvetti
Team Lead/Developer

Phone: 416.481.6946 x 302

Fax: 416.481.3800

Email: djoume@freshbooks.com

We are hiring!



Evolve

- Porting backend of FreshBooks from PHP to Python with no downtime.
- Built as a REST web service.
- 25K lines of code
- 25K lines of tests (~6000 tests)
- 10K lines of JSON fixtures

python-nose

painless testing

I'd like to talk about:

- Writing tests
- Running tests
- Selecting tests
- Bonus

Nicer test code

- More pythonic, no more Java conventions
 - No need to subclass unittest.TestCase
 - snake_case for method names
 - No more self.assertEqual(s)
 - @raises
 - If it looks like a test it's a test

Nicer test code

- Show me the source!
 - `vi test/utils/beagle/test_beagle.py`

Nicer test run

- tests are run in predictable order
- Capture stdout & logs
- Rednose
- Failure details (-d and eq_)
- -X
- --pdb and -pdb-failure
- fixtures
- --processes

Nicer test selection

- file / package / ...
- --with-id --failed
- --exclude
- raise SkipTest
- from nose.plugins.attrib import attr
- @only (test/helpers.py)

Bonus

- @timed
- Test generators
 - internal_consistency/test_walker.py
 - internal_consistency/test_pyflakes.py
- Plugins
 - Code coverage / profiling
 - sqlcapture