

Daniel Watkins

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Objectives

- To engage in software development as part of a committed, motivated team using current development tools and methodologies.
- To work in an environment with achievable goals, the completion of which I can take pride in.

Education

BSc (Hons) in Computer Science, University of Warwick, 2006–2010

Experience

Consultant, credativ Ltd.

2008–Present

- Developed bespoke solutions to make a wide range of open source projects meet client requirements.
- Worked with upstream open source developers to integrate our solutions into upstream codebases.
- Provided technical support for a wide range of open source projects.
- Worked with OpenERP and Django, Python open source projects, including the development of a testing environment for OpenERP and TDD with integration and acceptance tests.
- Undertook project management of the technical team and developed infrastructure and processes to support it.
- Re-developed and deployed the company website using Django, Python, and PostgreSQL; significantly increasing the number of leads generated through the website.
- Created Debian and Ubuntu packages to distribute changes to customers.
- Used VCS systems (primarily Bazaar and git) both on internal projects and when working with upstreams.
- Engaged in, and worked on developing, testing, QA and code review processes.
- Also worked with Nagios, munin, Asterisk, PostgreSQL, MySQL, OTRS, OpenOffice, Ruby on Rails (particularly Redmine) and L^AT_EX.

Technician, Oxbridge Technology Ltd.

Part-time, 2003–Present

- Used shell scripts and Python to implement backup solutions.
- Used VBScript and PowerShell to script various Windows-related tasks.

Summer of Code Student, Canonical

Summer 2008

- Worked both with Patch Queue Manager developers and users, and independently, to improve code quality, features and integration with Bazaar of the Patch Queue Manager project.

Open Source Activities

Bazaar Contributed patches both to scratch personal itches and to fix bugs filed by the community. Have attended two sprints in Canonical offices.

Debian GNU/Linux Package maintainer for 13 packages, including configobj and 7 other Python packages.

OpenERP Contributed a number of patches and filed a number of bugs related to customer work for credativ.

Patch Queue Manager Worked on as part of a Summer of Code project for Canonical.

libre.fm Personally developed an early Django-based prototype of the frontend.

WUGLUG Started and worked on a number of projects as part of the Warwick University GNU/Linux User Group:

Gryle Initiated work on this Java MP3 player.

Warwick Vote Individually wrote a Python library implementing the single transferable vote algorithm, used for Computing Society elections.

WarwickDate Contributed code to a Java library providing functions for working with university term dates.

pyWarwickDate Individually wrote a Python reimplementaion of WarwickDate.

ReadingThing A Django site developed to track my personal reading.

Leadership Activities

President, Christian Focus, University of Warwick 2007/08

- Liaised with other executive committee members and external speakers to arrange a weekly talk and the cooking of a weekly meal.
- Arranged the logistics for taking 20 people on a weekend away, including transport, food and a programme of talks.

WUGLUG Liaison Officer, University of Warwick Computing Society 2007/08

- Liaised between the Warwick University GNU/Linux User Group and the rest of the Computing Society.
- Arranged weekly talks, pub socials and coding sessions.
- Worked to resolve tensions between the academic and gaming sides of the society, culminating in a reorganisation of the executive committee roles.

Software Development Skills

Languages:

Python 6 years experience. Use on a daily basis.

Java 4 years experience as part of degree programme and open source development. Use occasionally as needed for work and Debian packaging of Java packages.

Shell scripting Use on a daily basis for work and personal scripting.

C Some experience related to developing against the OpenOffice API, and Asterisk development. Occasional use in that capacity.

Perl Some experience from modifying existing scripts. Occasional use.

HTML/CSS Several years technical experience, when developing Django sites. Limited design experience. Use regularly.

SQL Experience from degree course, OpenERP's database integration, and some personal projects. Occasional use.

Ruby Experience from customer projects and internal Redmine instance. Occasional, limited use.

Development: Bazaar, Debian GNU/Linux, Django, L^AT_EX, Munin plugins, Nagios, OpenERP, basic Redmine plugins.

Use: Apache HTTP Server, Eclipse, Gentoo, git, GNOME, GPG, Launchpad, Mailman, Munin, MySQL, OTRS, Postfix, PostgreSQL, Redmine, rsync, SQLite, Subversion, Trac, Ubuntu.