

# Nick Murdoch

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## Profile

I am a hard working and friendly individual and take pride in delivering work to a high standard. I have a strong eye for detail and am capable of quickly acquiring new skills for tackling challenging problems. I'm able to work in team environments as a group leader as well as individually if needed. I manage my time well and always keep thorough documentation of my software.

## Skills

### Python

- Five years professional experience as a primary language developing utilities and web applications. Familiar with Python 2.4 and above (including 3.x).
- I have used the following frameworks and modules worthy of note: Pylons; CherryPy; TurboGears (1 and 2); Kid & Genshi; SQLAlchemy; SQLAlchemy; Pyrex; ElementTree (including itterparse); SAX.

### Other languages

- **C++:** Five years professional experience maintaining C++ code, adding functionality and making improvements to existing software.
- **C:** Three years professional experience developing mission-critical C software.
- **JavaScript:** Competent at writing cross-browser web applications with fall-back for non-capable browsers. Familiar with the **MochiKit** library.
- **SQL:** Experience designing and maintaining PostgreSQL databases as part of web applications.
- Other: Highly experienced with **XHTML** and **CSS** in a cross-browser environment. Familiar with **bash** et al. as a scripting language.

### Information Retrieval

- Five years experience using **Xapian** as a search library from C++ and Python.
- Lead developer of Locayta Ltd's proprietary search engine, working on the C core and Pyrex Python bindings, including developing a replication system for single master/multiple slave server farms.

### Software

- **Debian Linux:** OS of choice. Highly familiar with usage and every-day administration, both professionally and personally. Also familiar with **Ubuntu** in a professional environment. Experienced at deploying software in the form of Debian packages via apt, Python packages and eggs with setuptools, and building from source.
- Other \*NIX: Familiar with working on and basic administration of **RedHat/CentOS** and **Solaris** servers in a professional environment.
- **Mac OS X:** Familiar with usage and basic administration as a MacBook owner.
- **Microsoft Windows:** Familiar with the Windows environment.
- Competent with **vim**, **screen**, **subversion**, etc.

## Employment History

- 2006 – 2011: **Developer, Locayta Ltd.**
- 2011 – present: **Lead Search Architect, Locayta Ltd.**
  - Lead architect and developer of the search engine for Locayta's ESP merchandising platform.
  - Sole developer of a bespoke comparison shopping solution for a high-profile high-street-brand client.
  - I have a good working relationship with the company's clients and meet with them regularly to discuss ideas and suggestions.

## Education

- 2003 – 2006: **University of Kent at Canterbury**
  - **Computer Science - BSc (Hons).**
  - Final year modules: Group Project; Dynamic Web; Human-Computer Interaction; Computer Graphics; Computer Security and Cryptography; Cognitive Neural Networks; Mobile and Ubiquitous Computing.
- 1996 – 2003: **Dartford Grammar School**
  - 3 A-Levels (Maths, Further Maths, Physics); 2 AS-Levels; 11 GCSEs