

Toby Inkster

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Postal Address: (Ask for street address), Darlington, Co Durham, England.

Experience

Freelance Programmer (September 2011, ongoing)

I am currently a freelance programmer specializing in web/database integration, though also dabbling in web design and more general programming. I have worked for small businesses, schools, and charities. See toby.ink/hire for further information about my services, and contact me if you have any questions.

Database Developer (August 2006–August 2011)

The National Childbirth Trust, Acton, London.

Having moved from London, the NCT offered me a job which would allow me to work mostly from home, with IT support and management being outsourced. I am responsible for developing additional database structures and interfaces for the NCT's contact management software, and integrating it with other systems such as the NCT website and third-party software. After January 2010, this was part-time.

IT & Telecommunications Co-ordinator (July 2004–August 2006)

The National Childbirth Trust, Acton, London.

Reporting directly to the Chief Executive, I provided IT support, administered the office computer network, servers and VOIP telephone system, procured new equipment, assisted with developing and maintaining the NCT's popular website and related micro-sites and developed new network-based systems to support the work of the Trust.

Administrative Assistant & IT Support Officer (Feb 2003–July 2004)

The National Childbirth Trust, Acton, London.

Provided administrative support for the Fundraising department, IT support for the whole staff and some system administration.

Earlier Experience

- **Temporary Staff**, Reed Employment, West Ealing, London: including three and a half months as an administrative assistant at the National Childbirth Trust, after which I was taken on as permanent staff.
- **Web Programmer**, Department of Computing, Imperial College of Science, Technology and Medicine, South Kensington, London: I was employed by Imperial College's Department of Computing to refine and build upon the system I had built as part of a team of five as a final year group project.
- **Bar Tender**, Nottinghamshire County Cricket Club, Trent Bridge, Nottingham.
- **Commis Chef**, The Chateau, Wilford Lane, West Bridgford, Nottingham.

Education

BSc (Hons), Joint Mathematics and Computer Science (Oct 1999–Jun 2002)

Department of Computing, Imperial College of Science, Technology and Medicine, South Kensington, London.

I studied a broad spectrum of topics such as web design, database theory, artificial intelligence, 2D&3D graphics, human-computer interaction and program design theory, including a variety of programming languages (Java, C, Haskell, Intel Assembly, others).

Earlier Education

- **Mathematics** A-Level: grade A.
- **Physics** A-Level: grade A.
- **Chemistry** A-Level: grade A.
- **General Studies** A-Level: grade A.
- **Further Mathematics** AS-Level: grade A.
- **GCSEs:** ten passes at grades A* to C.

Skills

- **Communicating technical ideas** to those without a technical background.
- **Programming:**
 - Perl (since 2001)
 - PHP (since 2001)
 - SQL (since 2001; Microsoft, PostgreSQL, MySQL, SQLite)
 - Javascript (since 2002)
 - Some experience in Java, Intel Assembly, Haskell, Prolog, C/C++, shell script, Ruby, Python, and KiXtart.
- **Network Administration:**
 - Linux
 - Microsoft Windows, IIS, SQL Server
 - Apache HTTP Server
 - PostgreSQL, MySQL
- **Web:**
 - HTML
 - CSS
 - Server-side programming
 - Client-side programming
 - Accessibility and usability
- **Semantic Web:**
 - RDF
 - RDFa
 - Microformats
 - SPARQL

Publications

Publications include:

- *Horizontal Reuse: An Alternative to Inheritance* (2014) by Toby Inkster — article on O'Reilly Programming blog
- *Creating Distributed Social Networks with Linked Open Data and FOAF+SSL* (2009) by Toby Inkster — demonstration paper for Trust and Privacy on the Social and Semantic Web 2009 Workshop.
- *FOAF&SSL: Creating a Global Decentralised Authentication Protocol* (2008) by Henry Story, Toby Inkster, Bruno Harbulot, Ian Jacobi and Melvin Carvalho -- position paper for the W3C Workshop on the Future of Social Networking.

Affiliations

Membership of an organisation does not imply their endorsement of me (nor necessarily mine of them).

Former

- Member, [The Internet Society \(ISOC\)](#).
- Member, [W3C Semantic Web Interest Group](#).
- Invited expert, [W3C HTML Working Group](#).
- Invited expert, [W3C Social Web Incubator Group](#).
- Invited expert, [W3C RDFa Working Group](#).

Interests

- Frequent contributor to open source software:
 - Primary author of two of the [top 10 best Perl distributions of 2013](#) (as voted by users of metacpan.org) — [Type-Tiny](#) and [Moops](#) — and listed as a contributor to three others in the top 10.
 - See also <https://github.com/tobyink>.
- Cookery and food:
 - The slow food movement
 - Italian cookery
 - Molecular gastronomy
 - I publish occasional recipes on my blog.
- Home wine and cider making
- Music
 - I play guitar, ukulele, and piano.
- Badminton

References

Can be provided on request.