

## ALEX MORDUE

PERSONAL INFORMATION

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- Date of Birth      29<sup>th</sup> June 1979
- Nationality        British
- Full British Driving Licence

SUMMARY

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A skilled freelance IT consultant qualified to degree standard with a BEng 2:1 (Hons). I have a broad experience in application design and implementation, web development and support. I enjoy projects which involve cooperating in a small team.

KEY SKILLS

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Good knowledge of Linux and Windows environments. Proficient in several programming languages including Java, C and a number of scripting languages. Also familiar with relational database systems. I am equally at home developing a system from scratch and bug fixing / adding functionality to an existing system. I strive to make systems which are user friendly, intuitive and consistent.

EDUCATION

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1993 – 1997    Durham Johnston Comprehensive School

- GCSE      -      **A\*A\*AAAABBBBC**
- A – Levels-
  - Mathematics                    **A**
  - Physics                            **B**
  - Business Studies                **C**

1998 – 2003    University of Edinburgh

- BEng Computer Science (Hons) - **2:1**

PROFESSIONAL EXPERIENCE

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August 1997 - July 1998	IT Support Engineer	<i>Philips Petroleum</i>
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The IT department of this large company provides services and support to over 250 staff. I reported directly to the departmental manager. My responsibilities involved providing hardware and software support and developing tools for use by staff.

- Wrote scripts in the proprietary "Workforce" scripting language to produce HR reports
- Created an anonymous comments/complaints system
- Produced a Computer Aided Learning application
- Created a custom application for producing passport photographs using commodity hardware (digital camera and inkjet printer).

Technical Skills: Asymetrix ToolBook, ASP

June 1999 - September 1999	Software Engineer	<i>County Durham Online</i>
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This small company of 9 employees provides businesses in the County Durham area with web sites and web applications.

- Implemented the artist's designs as usable websites
- Created JSP pages with content derived from a database

Technical Skills: Tomcat/JSP, Oracle, Dreamweaver

June 2000 - September 2000	Assistant Developer	<i>4Students</i>
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A team of 3, we created a website dedicated to providing services to students.

- Produced database driven recipe ideas section
- Responsible for over 60% of the applications

Technical Skills: php, Postgres, WAP/WML

July 2001 - September 2001	Web Architect	<i>Pocketwatch Projects</i>
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- Redeveloped a Flash website (with HTML alternative) with dynamic content.
- I wrote comprehensive documentation for the site so that additional content could be added at a later date by another employee.

Technical Skills: php, mysql, Flash, XML

August 2002 - October 2002	Software Engineer	<i>County Property Searches</i>
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A company with an existing Access database of planning permission and building warrant data.

- Worked with the other employees to create a data extraction tool that was easy for them to use.

Technical Skills: Java, Regex, Access, Netbeans IDE

September 2003 - Present	IT Consultant	<i>Self</i>
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During my time as an IT consultant I have worked for numerous small businesses providing application development and technical support.

- Continuation of my final year university project: making a Bluetooth connected video camera using an ARM based CSoC and CMOS camera.
- Continued development of an existing panoramic image viewer applet for an online estate agent to increase speed, make it more user friendly and provide additional features.
- Delivered an online gallery store for a professional photographer, with emphasis on making it as easy as possible for her to use while maintaining security of her customers' details. Increased reprint orders by 50%
- Development a GML application schema for EDINA based on a UML model constructed from a flat format.
- Extension of a digital repository system (DSpace) to allow metadata extraction and validation of geo-data plus a search facility using Google Maps as the interface.

Technical Skills: Java, JSP, Postgres, php, Netbeans IDE, Administration of Linux Servers

## PERSONAL EXPERIENCE

I am currently working with a group of friends to develop an innovative modification of the PC game HalfLife 2.

Technical Skills: Visual Studio .net, C++

I enjoy working on all manner of electronics/computing/mechanical projects

- Automated cocktail machine
- RobotWars robots

Technical Skills: Microcontroller Development using C, Basic Analogue and Digital electronics