Johann ELSASS
32 years old, French
26-28 Thompson Avenue, London TW9 4JW
Mobile: 07 44 858 9179
Email: circular@operamail.com
Portfolio: http://johann-elsass.net
LazPaint: http://sourceforge.net/projects/lazpaint/
Desired salary: £27000 - £40000
Available now

Software and web developer

Personal statement

Software developer: I have worked as a software developer both in a company and as an independent developer. My main experience is in .Net languages (VB.Net, C#) as well as in VB6 and Pascal. I worked with MySQL and "SQL Server" databases. I have used object oriented programming, interfaces and events. In my spare time, I made an open-source image editing software called LazPaint and a graphics library in FreePascal.

Web developer: I made websites with LAMP (PHP, MySQL, Javascript). On the frontend side, I know HTML5 (mobile-first CSS, Canvas, localStorage) and jQuery. On the backend side, I know MySQL and SQL Server. I also have notions of Oracle PL/SQL and ASP.NET (Datasets, Entity, MVC).

For version control, I have relied on TortoiseSVN and CVS

 I would like to do component oriented programming and to work in collaboration with other people, developers or specialists. Learning about any subject motivates me to program software to produce new solutions.

Work experience

Oct. 2013 – Feb. 2014   Software developer (Richmond, London)

I have worked on the generation of reports with VB6 and SQL Server. Most of the work consisted in converting Active Reports into classes in order to generate the reports dynamically instead of relying on the designer embedded in VB6. This was a step in the conversion of the software to VB.Net. I was part of a team of 3 developers and I took the responsibility of a generic class used by all reports.

July 2009 – Dec. 2012   Independent software developer (Alsace, France)

I made geological software with VB.Net and a bit with Delphi. I was in relationship by e-mail with specialists that explained me more or less formally their expectancies. I basically created the applications from scratch, defined file formats and assured the maintenance. Because the availability of my collaborator was unpredictable, they contacted me when they wanted to continue a project. They were globally satisfied by my responsiveness.

I learnt web development in PHP and experimented Javascript. I made a software that I used to generate two websites with embedded animations using Canvas and VML. I worked on hand-made CMS using MySQL. More recently, I have learnt mobile-first approach using CSS media queries.

June 2007 – June 2009   Vocational position of 2 years with 3ma Group (Alsace, France)

This company sends personalised e-mails on behalf of various companies and for various reasons: marketing as well as administrative mails. I was responsible of translating Cobol programs into VB.Net using MySQL databases and to write new applications to handle new streams.

Each application was receiving data in text format, storing into a database and creating output files suitable for printing. So the specifications were by the clients and by the desired output. I was in contact the users that were in the printing room to know their expectations and adjust the software.

I also had to go around the workplace to understand the stream of printed papers, how they were put into envelopes before being sent. This is because the company was lacking information about the internal organisation and no one had the full story. I finally managed to create a workflow to validate processed mails. I had to take personal initiatives for this purpose.

The biggest project was SantePharma, which gathers many insurance companies sending welfare cards. This was an interesting project which involved dynamic compilation in order to adapt to client input files which were not following the specifications. I had to create an intermediate script format to be interpreted by printing software. The GUI of this project was quite complex, involving interdependent database content and long periods of processing of mass data requiring developing strategies to access the database efficiently.

Education

Sept. 2007 – June 2009   2-year post-A-level sandwich course in software development

Studying formally IT is in fact a continuation of what I have been doing in my spare time since I am in primary school. I already had an extended knowledge of Pascal language (Turbo Pascal and Delphi) and in this sandwich course I learnt other languages such as C and VB.Net. I also learned basic networking notions such as the OSI model, network switches and routers.

Sept. 2002 – June 2005   Bachelor degree in psychology

For me, maths, psychology and IT are related to the extent that we deal with logical structures of human beings. I wanted to learn more about psychology because I had a poor natural knowledge of it. During those three years, I learnt about the different approaches to psychology which is valuable general knowledge.

Languages

French	Mother tongue	Spanish	Intermediate level
English	Intermediate level	German	Basic level

History

I have learnt IT since secondary school by reading books about Pascal language, by experimenting and by looking at already existing software in Pascal and assembler. I created many programs with Turbo Pascal and I had always similar needs for procedures to draw on the screen. I wrote my first graphics libraries in secondary school and got passionate about it. I also started developing under Windows with Delphi. Recently I started to use FreePascal instead, so I created a new graphics library. In order to promote it, I made LazPaint, an image editing software which had hundreds of downloads per week.

I also learnt about image formats and sound formats by reverse engineering data files of DOS games like Doom. I learnt a lot about binary structures this way. I became familiar with sound files, and later, because I am a musician, I wanted to create new sounds or to transform sounds. In particular I wrote EffetLive to transform the voice as the person speaks (analysing the pitch, changing the pitch, attenuating the sound, etc.) I also wrote software to play module files, which need to resample sounds in order to play the melody.

Extra knowledge

I have studied psychology at the university, and also have studied on my own the notions of human needs, body language and communication. This is particularly useful when producing a document that needs to be communicated: it needs to be accessible to the person that receives it.

My strong mathematical knowledge comes from the fact that mathematics have always been easy for me and I was interested in studying what was out of the scope of the classes. I continued after the A level to study maths during two years so I know about matrices, vectorial spaces, functions, complex numbers, infinite sets, etc.

Hobbies

Meditation   I have been interested in Buddhism since 2000. As a rational person, I was looking for answers to understand spirituality. However, I had some disagreement. So I focused more on relaxation and simple mediation, which are generally focused on breathing. Later I discovered Stephen Bachelor which had similar views about Buddhism and did a huge work in trying to sort out myth from actual teachings of Buddha, which are probably not about metaphysics, but about how to have a stable life and a stable mind. While studying psychology on my own, I came to emotion awareness which is about knowing deep feelings in order to get free of them.

Rubik's cube   I have been interested in the Rubik's cube since 2001. I learnt algorithms on the Internet to solve it in less than one minute. I left it aside for some time and later I started again with intuitive and mathematical solving, which is solving and understanding each move which is not possible using computer generated algorithms. It is a bit longer, it takes me one minute and thirty seconds, but it is worth the intellectual satisfaction.

Other   I have played the piano since the secondary school and also a bit of guitar. I like to play snooker and as I cannot walk much I exercise with jiggling.