Skills Matrices

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| **Skill level** |  | **Description** |
| 0 | None | No experience |
| 1 | Awareness | Has some experience however may struggle to produce a functional piece of work without assistance |
| 2 | User | Can usually produce a functional piece of work however it may lack optimization or good formatting |
| 3 | Expert | Able to work that is appropriate to the client’s needs and of a high quality |

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| **Skill** | **None** | **Awareness** | **User** | **Expert** | **Comments** |
| **Programming** |  |  |  |  |  |
| C/C++ |  | 1 |  |  |  |
| Java |  |  | 2 |  |  |
| VB/C#.Net | 0 - VB |  | 2 – C# |  |  |
| Programming fundamentals |  |  | 2 |  |  |
| Good programming practices |  |  | 2 |  |  |
| Algorithm optimisation |  |  | 2 |  |  |
| Visual Studio |  |  | 2 |  |  |
| NetBeans |  |  | 2 |  |  |
| Eclipse | 0 |  |  |  |  |
| Databases |  |  |  |  |  |
| Embedding SQL in applications |  | 1 |  |  |  |
| SQL |  |  | 2 |  |  |
| Access |  |  | 2 |  |  |
| MySQL |  |  | 2 |  |  |
| SQLite | 0 |  |  |  |  |
| **Web** |  |  |  |  |  |
| HTML |  | 1 |  |  |  |
| PHP | 0 |  |  |  |  |
| ASP/ASP.Net | 0 |  |  |  |  |
| JavaScript | 0 |  |  |  |  |
| Silverlight | 0 |  |  |  |  |
| Dreamweaver |  | 1 |  |  |  |
| Apanta | 0 |  |  |  |  |
| Expression Studio | 0 |  |  |  |  |
| SEO | 0 |  |  |  |  |
| IIS | 0 |  |  |  |  |
| Apache | 0 |  |  |  |  |
| **Technical software design** |  |  |  |  |  |
| Database design |  |  | 2 |  |  |
| UI design |  |  |  | 3 |  |
| UML |  |  | 2 |  |  |
| JSP |  | 1 |  |  |  |
| Flowcharts |  |  |  | 3 |  |
| **Testing** |  |  |  |  |  |
| Unit tests |  |  | 2 |  |  |
| Test plan |  |  | 2 |  |  |
| **Documentation** |  |  |  |  |  |
| Analysis documentation |  |  |  | 3 |  |
| User documentation |  |  |  | 3 |  |
| Maintenance documentation |  |  |  | 3 |  |
| Project evaluation |  |  |  | 3 |  |
| **Misc** |  |  |  |  |  |
| Microsoft Word |  |  |  | 3 |  |
| Microsoft Visio |  |  | 2 |  |  |
| Photoshop |  | 1 |  |  |  |

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| **Skill** | **None** | **Awareness** | **User** | **Expert** | **Comments** |
| **Programming** |  |  |  |  |  |
| C/C++ |  |  | 2 |  |  |
| Java |  |  |  | 3 |  |
| VB/C#.Net |  |  | 2 - both |  |  |
| Programming fundamentals |  |  |  | 3 |  |
| Good programming practices |  |  |  | 3 |  |
| Algorithm optimisation |  |  | 2 |  |  |
| Visual Studio |  |  |  | 3 |  |
| NetBeans |  |  |  | 3 |  |
| Eclipse | 0 |  |  |  |  |
| **Databases** |  |  |  |  |  |
| Embedding SQL in applications |  | 1 |  |  |  |
| SQL |  |  |  | 3 |  |
| Access |  |  | 2 |  |  |
| MySQL | 0 |  |  |  |  |
| SQLite | 0 |  |  |  |  |
| **Web** |  |  |  |  |  |
| HTML |  |  | 2 |  |  |
| PHP | 0 |  |  |  |  |
| ASP/ASP.Net |  | 1 |  |  |  |
| JavaScript | 0 |  |  |  |  |
| Silverlight | 0 |  |  |  |  |
| Dreamweaver | 0 |  |  |  |  |
| Apanta | 0 |  |  |  |  |
| Expression Studio | 0 |  |  |  |  |
| SEO | 0 |  |  |  |  |
| IIS | 0 |  |  |  |  |
| Apache | 0 |  |  |  |  |
| **Technical software design** |  |  |  |  |  |
| Database design |  |  | 2 |  |  |
| UI design |  |  | 2 |  |  |
| UML |  |  |  | 3 |  |
| JSP |  |  |  | 3 |  |
| Flowcharts |  |  | 2 |  |  |
| Testing |  |  |  |  |  |
| Unit tests |  |  | 2 |  |  |
| Test plan |  |  | 2 |  |  |
| **Documentation** |  |  |  |  |  |
| Analysis documentation |  |  | 2 |  |  |
| User documentation |  |  | 2 |  |  |
| Maintenance documentation |  |  | 2 |  |  |
| Project evaluation |  | 1 |  |  |  |
| **Misc** |  |  |  |  |  |
| Microsoft Word |  |  |  | 3 |  |
| Microsoft Visio |  |  |  | 3 |  |
| Photoshop |  | 1 |  |  |  |

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| **Skill** | **None** | **Awareness** | **User** | **Expert** | **Comments** |
| **Programming** |  |  |  |  |  |
| C/C++ |  |  | 2 |  |  |
| Java |  |  | 2 |  |  |
| VB/C#.Net |  | VB – 1 |  | C# - 3 | One of my best languages would be C#. |
| Programming fundamentals |  |  |  | 3 |  |
| Good programming practices |  |  |  | 3 |  |
| Algorithm optimisation |  |  | 2 |  |  |
| Visual Studio |  |  |  | 3 |  |
| NetBeans |  |  | 2 |  |  |
| Eclipse |  | 1 |  |  |  |
| **Databases** |  |  |  |  |  |
| Embedding SQL in applications |  | 1 |  |  |  |
| SQL |  |  | 2 |  |  |
| Access |  |  | 2 |  |  |
| MySQL |  |  | 2 |  |  |
| SQLite | 0 |  |  |  |  |
| **Web** |  |  |  |  |  |
| HTML |  |  |  | 3 |  |
| PHP |  |  |  | 3 | Strong history with PHP, more than apt with the language. |
| ASP/ASP.Net |  | 1 |  |  |  |
| JavaScript |  |  | 2 |  |  |
| Silverlight | 0 |  |  |  |  |
| Dreamweaver |  |  |  | 3 |  |
| Apanta | 0 |  |  |  |  |
| Expression Studio | 0 |  |  |  |  |
| SEO | 0 |  |  |  |  |
| IIS | 0 |  |  |  |  |
| Apache |  | 1 |  |  |  |
| **Technical software design** |  |  |  |  |  |
| Database design |  |  | 2 |  |  |
| UI design |  |  |  | 3 |  |
| UML |  |  |  | 3 |  |
| JSP | 0 |  |  |  |  |
| Flowcharts |  | 1 |  |  |  |
| Testing |  |  |  |  |  |
| Unit tests |  |  | 2 |  |  |
| Test plan |  |  |  | 3 |  |
| **Documentation** |  |  |  |  |  |
| Analysis documentation |  |  | 2 |  |  |
| User documentation |  |  |  | 3 |  |
| Maintenance documentation |  |  | 2 |  |  |
| Project evaluation |  |  | 2 |  |  |
| **Misc** |  |  |  |  |  |
| Microsoft Word |  |  |  | 3 |  |
| Microsoft Visio |  |  | 2 |  |  |
| Photoshop |  |  |  | 3 |  |

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| Peter Ellsum | C++ Developer |
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| **Skill** | **None** | **Awareness** | **User** | **Expert** | **Comments** |
| **Programming** |  |  |  |  |  |
| C/C++ |  |  |  | 3 | I’m familiar with C++. I use it quite a lot. |
| Java |  |  | 2 |  | I know the language itself fairly well but I hate the IO library. |
| VB/C#.Net |  |  | VB – 2 | C# - 3 | I’ve used C# about as much as Java but I prefer the .NET/Mono libraries to the Java ones.  VB.Net I have used but C# has more or less replaced it for me. |
| Programming fundamentals |  |  |  | 3 |  |
| Good programming practices |  |  | 2 |  | I have a bad habit of reaching for advanced features to the detriment of good practice. |
| Algorithm optimisation |  | 1 |  |  | I’m aware of algorithmic efficiency and how to achieve it but it’s never come up. |
| Visual Studio |  |  | 2 |  | Visual studio is a great IDE. But I’m a user. I’m not familiar with the plugin API or anything that advanced to be an expert. |
| NetBeans |  |  | 2 |  |  |
| Eclipse |  |  |  | 3 | I’ve written plugins for eclipse. I use it a lot for android development. |
| **Databases** |  |  |  |  |  |
| Embedding SQL in applications |  | 1 |  |  |  |
| SQL |  |  | 2 |  |  |
| Access |  | 1 |  |  | I have used access before. |
| MySQL |  |  | 2 |  |  |
| SQLite | 0 |  |  |  |  |
| **Web** |  |  |  |  |  |
| HTML |  | 1 |  |  |  |
| PHP |  | 1 |  |  |  |
| ASP/ASP.Net |  |  |  | 3 | C# with a web wrapper. More than capable with ASP.NET |
| JavaScript |  | 1 |  |  |  |
| Silverlight | 0 |  |  |  |  |
| Dreamweaver |  |  | 2 |  |  |
| Apanta | 0 |  |  |  |  |
| Expression Studio | 0 |  |  |  |  |
| SEO | 0 |  |  |  |  |
| IIS | 0 |  |  |  |  |
| Apache |  |  | 2 |  |  |
| **Technical software design** |  |  |  |  |  |
| Database design |  |  | 2 |  |  |
| UI design |  |  |  | 3 |  |
| UML |  |  | 2 |  |  |
| JSP | 0 |  |  |  |  |
| Flowcharts |  |  | 2 |  |  |
| **Testing** |  |  |  |  |  |
| Unit tests |  |  |  | 3 |  |
| Test plan |  |  | 2 |  |  |
| **Documentation** |  |  |  |  |  |
| Analysis documentation |  |  | 2 |  |  |
| User documentation |  |  | 2 |  |  |
| Maintenance documentation |  |  | 2 |  |  |
| Project evaluation |  |  | 2 |  |  |
| **Misc** |  |  |  |  |  |
| Microsoft Word |  |  |  | 3 |  |
| Microsoft Visio |  |  | 2 |  |  |
| Photoshop |  |  |  | 3 | I do a fair amount of texture work. |