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| Personal Statement | |
| I am a highly skilled IT Professional, with several years’ experience in the financial, market research, Defence and automotive sectors. I am highly motivated with proven ability to take the initiative and develop innovative solutions that meet customer' needs, good communication and team working skills. I am very comfortable working with customers and third parties. I am keen to develop my applications skills for mobile platforms.  ***There's nothing wrong with computers, it's people! In other words, the success of all software systems depends totally on how well the users accept, adopt and use them. If they don't like a software system, then it will be useless and you can bin it*.**  I have over twenty years’ experience of getting into the head of users and understanding how best to make software appealing to them. |

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| Experience Summary | |
| I have over twenty years’ experience designing, developing, testing and delivering software for clients in various market sectors. My speciality is with object-oriented design and programming, primarily in Java and C++, of user interfaces for desktop applications and for the Web.  I have used Java to support and enhance web-based applications, mostly the server code and pure-Java clients as well as some HTML/JavaScript user interfaces. I have also designed and implemented SQL queries to support data transfer between users and office systems, such as back-end databases.  I have experience in all steps of the development cycle, mostly enhancing and debugging client applications. This included reverse engineering code in order to understand it, before designing enhancements  I have used Eclipse and I am very familiar with this IDE. In my latest role, I have been using IntelliJ and I have been finding it very similar to Eclipse with some nice features of its own. |

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| Personal Details | | |
| Title | Mr |
| Family Name | Lucas |
| First Name | Patrick |
| Date Of Birth | 12 November 1970 |
| Nationality | Franco/British |
| Marital Status | Married |
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| Education | | |
| 1990 to 1994 | South Bank University (London) Studying Computer and Information Engineering |
| 1985 to 1990 | Lycée Français Charles De Gaulle (London) Completing French schooling and taking Baccalauréat Série D |
| 1981 to 1985 | Institut National des Jeunes Aveugles (Paris) French secondary schooling |

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| Qualifications | | Grade |
| BEng. in Computer and Information Engineering | Upper Second |
| Baccalauréat Série D | 10 / 20 |
| First Certificate in English | A |

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| Relevant Experience | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | Company | **mTAB LLC.** | | Position | **Senior Software Developer** | | Period | **October 2016 to May 2019** |   My role involved improving the software systems used to analyse and present market research data in both static and dynamic form. The software I enhanced produced PowerPoint and Excel reports and published them on the web as interactive dashboards.  I designed all the business logic components and designed and ran JUnit test scripts.  I always cooperate with team members and stakeholders until everything is clear enough to lead to a successful design. For complex designs, I nominated colleagues to challenge them to make sure I catered for every possibility.  When designing software components, I consider reuse and maintenance to be of paramount importance. It is bad practice to copy and paste code. If a piece of code needs to be used in several places, then I will make it a separate module or ‘object’. I will design solutions around sets of cooperating classes, where each class mimics a real-world object.  The in-house software supports formulae, similar to Excel. I designed and implemented a parser to support function nesting (functions within functions) and permit easy addition of new functions. The result was the ability to support more complex formulae, thereby opening the door to things deemed impossible before.  The software I designed, implemented and supported was deployed on Amazon Web Services.  Below are some of the technologies/packages/methodologies I have used.   * Java 8 * REST * Maven * IntelliJ * JOOQ * TDD * Agile / Scrum * JavaScript / React * OOD / OOP * AWS * Json * XML |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | Company | **EDS Ltd.** (now **DXC Technology**) | | Position | **Systems Engineer** | | Period | **1995 - 2016** |   My responsibility was to design and implement the user-interfaces to software systems; some stand-alone and some client/server based. My work on various projects taught me many programming languages and techniques such as C, C++, Java, Swing, J2EE and object-oriented design and analysis.  Below is a short summary of the roles on some of my projects   * **GMF / Ally -> Seven years**   Member of the Java development team implementing new features and fixing bugs in the front-office part of a major financial system. Day to day activities included:   * Requirement analysis * Solution design using UML diagramming * Solution coding * Testing using JUnit for non-UI code * Re-work and re-testing until all requirements were met * Mentoring of new team members   The system’s design was based on the standard client-server model. I was involved in all model components including the database access classes (using JDBC and SQL), the user interface (using Java Swing) and the business logic (or the middle layer). Communication from client to server and back was implemented using the Spring framework. The system also featured a monitor, implemented using MBeans that JConsole uses to gather vital statistics. I also wrote new and modified existing MBeans.   * **Acacia -> 15 months**   Designed and implemented the client side of a web-based Artificial Intelligence (AI) tool. The decision-tree at the heart of the software was generated automatically from historical data using a patented method developed by the core team, and presented to users graphically.   * MS Windows 2000/XP * J2EE * IBM Site Developer * Java * Swing * **General Motors -> 11 months**   Designed and implemented the client side of the web-based version of the prototype detailed below. This also involved some exposure to the way data was sent back and forth between client and server.   * MS Windows 2000 * J2EE * IBM Site Developer * IBM Visual Age For Java * Java * Swing * **General Motors -> 3 months**   Designed and implemented a prototype to extend an in-house demand forecasting tool to include historic information on the various options available for each type of car.   * MS Windows 95/98 * MS Visual Basic 6.0 * MS Access 97 * J2EE * Java * Swing * **CONTINENTAL -> 7 months**   Designed and implemented Meta-Mediator Pattern for the re-engineering of Continental’s entire software suite, using ILOG Views graphics class libraries for platform independence and to deliver the need for software to be portable from Unix to NT.   * MS Windows 95/98 * MS Visual C++ 6.0 * ILOG Views 3.1 * **MIRIAM 2000 -> 7 months**   Designed and implemented the user interface for re-engineered CAD software suite using the ILOG Views graphics class library.   * MS Windows 95 * MS Visual C++ 5.0 * ILOG Views 3.0/3.1 * **TAFMIS -> 11 months**   Designed and implemented the scheduler user interface using MS Visual C++ and the ILOG Views graphics class library on Windows NT 4.0.   * MS Windows NT * MS Visual C++ 4.0 * ILOG Views 2.2.2 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | Company | **Prince Group** | | Position | **Developer** | | Period | **1994 - 1995** |   Worked as a Visual Basic and MS Access programmer as a member of the ASD department, developing database applications for many different customers. | |  | |