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| CURRICULUM VITAE |

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| PERSONAL PROFILE |

I am an experienced full stack developer building desktop and web applications using C#, Pascal / Delphi, Python, and JavaScript / HTML / CSS. I have designed and built software for the supply chain of major high street retailers. I have an HNC in Computer Studies, a TEC Certificate in Electronics and O Levels in English Language, Mathematics and Physics. I have a car and a full UK driving licence, that has never had any points.

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| WORK HISTORY |

**Sep 20 – Feb 21 Software Consultant – CAM Systems Ltd.**

**Draycott Business Park, Dursley, Gloucestershire GL11 5DQ**

I was contracted by this Tyre industry software provider to enhance the export of data from the flat file datastore and document the contents of the 200+ files that it consists of. Their software has two modes of operation, one with a graphical dot net user interface the other a menu driven pascal system. This contract initially for 3 months but was then extended twice.

* The C# code uses dot net framework 4.5.2 with the datastore being local or hosted in Azure. It used an in house written DLL for accessing data from the datastore.
* The pascal code was developed using a combination of IntelliJ idea for editing while free pascal was used for compiling and running code.
* I replaced numerous custom exports with one export that allowed the fields, and the format required for those fields, to be set in a user composed configuration file.
* I sped up the transfer of data from the flat file data repository to SQL Server, by using unindexed table creation followed by using the transact-SQL ‘merge’ command.

**Jan 18 – Jan 20 Web Developer – Awaze / Hoseasons Holidays**

**Sunway House, Raglan Road, Lowestoft NR32 2LW**

I worked as a member of one of the three teams of developers who look after the C# backend to a JavaScript frontend for the Holiday letting business. I was involved in enhancing the information available, making the WCF information retrieval use microservices and numerous bug fixes to reduce the error count and make the holiday search easier.

* Developing using C# in Visual Studio 2019 against numerous SQL Server databases that primarily used Entity Framework for object relational mapping.
* TDD while following the SOLID principles for new development.
* I used Postman to test the RESTful Microservice APIs that I was developing.
* I used MOQ to run unit tests without having dependencies on external resources.
* I used SpecFlow to map user stories into tests that I could run alongside unit tests.
* I wrote NuGet packages that contained our common code and used these, and external NuGet packages, for keeping our code modularised.
* Deciphering error logs and then tracing and fixing the code that caused those errors.
* Fixing the Holiday search, so that users could search on multiple preferences within each category instead of one preference per category at a time.
* Using GIT as a source control repository or Azure DevOps Services for source control, problem management and issue tracking.

**Feb 17 – Jul 17 Product Software Developer – K3 Software Solutions B.V.**

**Gildeweg 9, 2632 BD Nootdorp, Netherlands**

I was part of a team of four who looked after the Orchard Warehouse Management Software. Working from Suite 4, The Old Dairy, Elm Farm Business Park, Wymondham, NR18 0SW. This application, originally written in Delphi was in the process of moving to C#, and away from the SysPro database.

* Developing using C# in Visual Studio 2017 against a SQL Server 2016 database that used both Entity Framework and Dapper for object relational mapping.
* Giving Orchard an independent database and using WCF calls, via K3’s DataSwitch, to keep it in line with SysPro ERP, or any other ERP system.
* Updating a mobile scanning application so that the page size that its menu system used was configurable instead of fixed.
* Using TFS for bug tracking and as a source control repository.

**Jun 97 – Jun 16 Developer / Senior Developer – Kewill Ltd. / BluJay Solutions Ltd. Blue Tower, 14th Floor, MediaCityUK, Salford Quays, M50 2ST**

I developed and maintained supply chain electronic commerce software, working from the Stalham office, the Norwich office and, after June 2013, from home. This software, used by most suppliers to BHS, Argos, Debenhams, etc., allowed these companies to order their goods and receive information about them electronically. It allowed these suppliers easier distribution of their goods and the HUB’s easier ordering and stock control.

* Writing applications that included Stock, Contracts, Availability, Orders, Dispatches and Invoices. They involved Electronic Data Interchange (EDI) messages that were sent to, retrieved from, mailboxes. The display and user-friendly manipulation, of data both from these messages and produced internally by the applications.
* I enhanced applications so that instead of producing prints they could produce PDF files. The software also contained the option to auto email the produced PDF files.
* I got CEO endorsement for the way I enhanced a communication application from being complex and difficult to use to being simple to use and navigate around.
* I wrote a Delphi component that enabled user configurable exports, these had headers, multi-level detail, and footer records.
* I used EDIFACT and TRADACOMS, two standards for the transmission of EDI messages, as well as XML and JSON, for communication.
* I used Postscript to print labels and reports, and Ghostscript to convert these, and standard prints, into PDF format files.
* I used LoadRunner and Python to perform end-to-end load tests of our Web systems.
* I used RoboHelp to produce HTML help and used InstallShield or Inno-Setup to write customised installation routines, for our applications.

I have been commended by BHS for the analysis that I did and the innovative solution I developed that resolved the problems that they were experiencing.

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| ADDITIONAL INFORMATION |

I am disabled following a motorbike accident when I was sixteen, it left me unconscious for ten days and paralysed down the right side (hemiparesis). I now walk unaided, but have difficulty running. I drive a manual car and have a standard license expiring when I am 70.

I can type at around thirty WPM using a single-handed keyboard called a MicroWriter, or its sibling the CyKey, which connects to a PC, or MAC, via a USB port. I enjoy reading, mainly self-development and programming books, walking, cycling, swimming and mind puzzles.