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Pavol Biro

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Farnham

Surrey

GU9 9HE

Mobile: 07766162413 Email: [pbiro@hotmail.com](mailto:pbiro@hotmail.com)

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Extensive I.T skills and experience developing real-time embedded software for automotive industry using C language. Flexible and creative engineer often having to work under stringent time scales to deliver projects on time. Have excellent communicating skills with an eye for detail, analytical and strategic ability to facilitate operational and procedural planning.

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| TECHNICAL SKILLS / KNOWLEDGE |

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| * Programming in C/C++ language | * Git, SVN, Sourcetree repositories |
| * Visual Studio environment | * Mantis, Bugzilla issue tracker |
| * Codewarrior,Tasking, Keil Compilers | * CANoe, CANape, Busmaster,CADStar |
| * CAN, LIN Protocols | * Various software flashing tools |
| * Vector, Softing, PE Micro * Misra C, ISO26262 * NFC, SHA-256 | * Use of oscilloscopes, HW tools * Bare bone development |

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| PROFESSIONAL EXPERIENCE AND ACHIEVENEMTS |

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| **SENIOR EMBEDDED SOFTWARE ENGINNER ( Contract )**  **BP / Castrol** | **March 2018 – June 2019** |

Developing embedded software for a new revolutionary precision lubrication system used by the automotive industry.

* Software design, development and integration of NXP MagniV family microcontroller
* CAN bus message definition structure design and functionality development
* HW/SW debugging, testing, writing test procedures, setting up test rigs, system fine tuning
* Setting up project delivery targets, monitoring development, ensuring on time delivery
* Planning, prioritising, leasing and making recommendations with other teams
* Adapting software to MISRA C compliance standards
* Documenting release notes, user manuals and test scripts
* System demonstration to the customer during different development stages

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| **SENIOR EMBEDDED SOFTWARE ENGINNER**  **Frazer Nash Research Ltd** | **June 2010 – March 2018** |

Writing and developing software on hybrid/electric vehicle nodes for iconic London taxi project, Dnata Superlight REE truck, Bristol REE bus and several other projects.

* Design, programming, testing and integration of node software for ST7,

ST10, Infineon XC22xx/23xx, i.MX35, i.MX53 processor cores

* Message definition and design for CAN, LIN bus architecture
* Integration of a data bus for control of electronics nodes on a major

vehicle manufacturer’s cars

* Onsite and abroad vehicle prototype commission and support
* Vehicle telemetric data collection and processing using proprietary systems
* Documentation of release notes, user manuals and testing scripts
* Responsible for updates of software releases across the vehicle fleet
* Developing of additional features for vehicle’s CMFD and Meter cluster

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| **SOFTWARE ENGINEER**  **Innogistic Ltd** | **April 2005 – November 2009** |

* Software development using C#, VBScript, SQL Server, XML
* Customer onsite product delivery and configuration

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| **HELPDESK SUPPORT ANALYST**  **Centrex Police College**  **Helpdesk Support Analyst** | **September 2004 – April 2005** |

* Creating, monitoring and updating accounts using Console One, Novell Netware, Windows 2000

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| **1st LINE HELPDESK SUPPORT ANALYST**  **Pink Roccade** | **November 2003 – September 2004** |

* Citrix 1.8\XP, Active Directory, User Manager, Novell, NT4, Windows XP, Windows 2000

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| **PC World Ltd, Farnborough**  **Customer Support** | **July 2002 – October 2003** |

* Installing, upgrading and configuring hardware and software

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| ACADEMIC BACKGROUND |

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| **BSc in Computing**  2002 – 2003 University of Portsmouth | * Networking, E-commerce, Hci, Business Strategy / Planning, * Project Management, Databases Design and Administration * Software design, Data Analysis and Statistics, Databases, * Programming in Visual Basic, SQL, Ada97 and UNIX. |
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| **HND in Computing**  1999 – 2001 Guildford College of Higher Education |
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| **HND in Electronics**  1992 – 1996 Electronic Engineering College |
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| PERSONAL DETAILS |

Interests: Cross country running, swimming, football, D.I.Y.

Driving: I am car owner with a clean license.

References available on request.