CAERWYN PEARCE

Software Developer

Experienced in the design and development of software in the fields of communication, telephony, printing and pre–press.

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SKILLS

C++ (Advanced)

Continuous integration (Advanced)

Test Driven Development (Advanced)

Design Patterns (Intermediate)

MariaDB/MySQL (Intermediate)

Refactoring (Advanced)

Collect and analyse customer needs

Git (Intermediate)

Python (Intermediate)

JavaScript (Intermediate)

Perforce P4V (Advanced)

Technical diagnosis

Visual Studio / MFC (Advanced)

Education

(BTS, DUT OR EQUIVALENTS) / HIGHER TECHNICAL DIPLOMA IN DIGITAL ELECTRONICS (WITH FELICITATIONS)

1985

(DEGREE, MASTERS OR EQUIVALENTS) / DEGREE IN MATHEMATICS AND COMPUTER SCIENCE

1982

Experience

SOFTWARE DEVELOPER / ATEX

07/2006 to 06/2023

Developed and debugged a suite of content management and layout applications for the print industry. Modules I worked on included: a core database application for use with SQL Server, MySQL (MariaDB) and Oracle; InDesign and InCopy plugins.

SOFTWARE DEVELOPER / FUJIFILM

10/2005 to 05/2006

Porting code from Visual Studio on Windows to Xcode on MacOS. Developing tools for analysing and building Xcode projects in XML as well as UNIX 'bash shell' scripts for controlling compilation on MacOSX Developing several modules and objects for a printer task control software. Language used: C++ portable for Windows, MacOS and Linux.

ANALYST - DEVELOPER / SIEMENS COMMUNICATIONS LTD

01/1995 to 09/2005

Software for alarm management on telecom networks. This software won the "Customer Service Award" in 1996. Initially designed for Macintosh (using CodeWarrior, MPW, Powerplant), later for Windows (using Visual Studio/MFC/C++), this software, entirely designed, developed and installed by me, consisted of a suite of applications.

SOFTWARE DEVELOPER / ALICE SYSTEMS AB, STOCKHOLM

08/2000 to 05/2004

Integration of SSH Ipsec DDK in a telephony application for Windows. Includes a virtual NIC which allows the correct routing and the address of the packets. I later developed an installer for this application, using InstallShield

SOFTWARE DEVELOPER / 4SIGHT (INTERNATIONAL) LTD

11/1989 to 06/1996

Co–founder of 4–Sight. Development of specialized software on Apple Mac for Fax, ISDN and the printing industry. Development of ISDN Primary Rate drivers, printer drivers, Fax and Print Spooler Solutions. Programming was done in C and C++ with optimization in 68k assembler. Design of the RADIX software., for alarm management on a telecom network.

SOFTWARE DEVELOPER + MANAGER / C+P TECHNOLOGY LTD

02/1986 to 08/1988

Development and installation of keyboard and terminal emulations in the FX trading rooms of several banks and at the stock exchange. I first developed and tested the software in Z80 on CPM+ to run on a multitasking operating system. After 6 months, I was given management of the department. Under my responsibility, the team of 4 developers carried out the design, dev and installation.