

A P P L I C A T I O N

Applicant: Christopher B. Peto

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Position: Senior Software Engineer/Consultant/Development Leader

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References

CHRISTOPHER B. PETO

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Born: 26 August 1962, Escondido, California, U.S.A.
Nationality: American
Status: Married with 2 children
Work: Valid Work permit in Europe/Gültiges Arbeitserlaubnis Europe

Education

Jun '90-Oct '94 Bachelor in Computer Sciences (Software Engineering), **Magna cum Laude**,
University of Maryland, Minor: Management

- ◆ **Grade Point Average: 3.913 (US) = 1,087 (DE)**
- ◆ **Member Alpha Sigma Lambda** (National Honor Society)
- ◆ **Dean's List:** Nov. 1991, Aug. 1992, Jul. 1993, Nov. 1993

Work Experience

Oct '01-Present **Freelance Software Engineer/Consultant**, Resource Solutions, Dreieich, Germany
Consulting and programming in Security, Building Management, Automation, Internationalization, Internet technologies, Device Drivers, Back-end, and End-User Applications: C/C++.C#, JavaScript, Java, HTTP, SVG, HTML, XML, SQL, ODBC, ABAP and areas listed under CETEC.

Customers - Projects:

ela-soft GmbH, Germany

“GEMOS” Building Management System (Web Based – SQL, XSLT, GMH, PHP, ASP, HTML, SVG, C#, XML, Javascript, Linux, Windows, Web Services, .Net 1.1, WS-Security 2.0, Subversion source control system)

- Designed and Programmed SVG (XML) interface to include SVG real-time Interface with navigation, SVG Web based Editor (www.resource-solutions.de/svgeditor.html).
- Designed and Programmed CAD Import Assistant to SVG interface.
- Developed numerous device drivers for Linux/windows server : BacNET, LON, Siemens VarioDyn, OPC, Genproto, EFE Li658 Kernel and RS232 driver, KONE Elevator, Siemens Siport, Funktel RP201, AT VKS, iGuard Video Recorder, SMS (ISDN, GSM, and HTTP Gateway), Securimaster (WebServiceClient and .Net).
- Programmed printing interface over Apache Foreign Object Processor (FOP) using XSLT and developed Printing Web Browser with VC HTMLBrowserCtrl.

“Prisma” Security Management System (Client/Server, C/C++, Visual C++ 6.0-7.0)

- Completely control all phases of development lifecycle (Development Leader).
- Programmed new interface WAN and Tyco Expert (ZX) Fire alarm system, Cerberus Gas, and Control Book for ÖNORM standard.
- Designed and Programmed conversion module from Prisma to GEMOS for database and graphics.

EFE GmbH, Germany

BZAWin, BZAEditWin, ASWEdit, BZAWinNet (Communication software for Hospitals and Prisons)

- Developed windows kernel mode driver
- Ported code from Borland (Dos) to Windows (VC++ 6,7,8)
- Developed EIB OPC interface
- Developed ODBC interface
- Developed RS232/485 interface to embedded device

PCEWin (CSV import and ODBC database management software)

Shille Informationssysteme GmbH, Germany

- Developed OPC servers for Siemens SGuB, Tokheim Forcourt, Minimax.

ETM professional control GmbH, Austria

- Siemens Cerberus Driver – C/C++, Windows, Linux
- BACnet Driver – C/C++ Window, Linux

Siemens AG, Vienna, Austria

- Siemen's NY Project (April 2006 – Present) for underground train information/control system. Implemented Customer Information Signs (CIS) driver and 5 ActiveX controls for configuration: Font Editor, Graphic Editor, SymbolSelector, Graphic Selector, and Sign simulator for UI. Work with development team of 80 people.

Tools: MS Office, ClearCase, ClearQuest, IBM UML Modeler, VC 2005

- VMSEditor – Developed and Designed Qt VMS Sequence and Scheduler Editor Widget Module, Qt CodeConverter Dll, and VMS Protocol Converter Dll for integration in Siemens Traffic Control Product under PVSS II and QT.

Vectoreal, International - Specializing in Web applications using SVG, Javascript, Java, XML, Batik, HTML, WebObjects.

- Process management tool
- Building management system (Eclipse, Batik, SVG, Java)

Micro ART bvba – Food process visualization and control software (Web Based – SVG, XML, ASP)

- Designed, programmed and implemented GUI and Editor

Semitech Gbr, Germany

- Online Ordering system (PHP, HTML)

Oct '94-Oct '01 Software Engineer - Development, CETEC Vision AG, Bad Homburg, Germany.

Programmed “Prisma” an online networked Security and Building Automation Management System software capable of monitoring/controlling 200+ different building security/automation hardware devices, i.e. Fire Alarms Sensors, Intrusion Alarm Sensors, Video, Public Access, Intercom, Fax, SMS, Elevators, Radio (Walky-Talky), Water, Electric and Climate control systems.

Job Description: Responsible for Design, Programming, Management, and Implementation of Building Automation, Device driver production (internal and external), Graphical user interfaces (GUI), Localization, Messaging API (MAPI), and Telephone API (TAPI).

- **Programming Languages:** C/C++(MS-Visual 5.0/6.0, Borland 3.1), Assembler, SQL, 8086 Interrupt Routines, Java (Symantec, Visual J++), JavaScript, SVG, HTML, XML
- **Operating Systems:** Windows 3.1, DOS, Windows 95, 98, Me, NT 4.0, 2000
- **Database:** Raima, MS-Access, dBase III Plus, dBase IV, DB2
- **Network(Protocols)** Novell NetWare 3.12, 4.1 (NetBIOS, ipx/spx, tcp/ip), Windows NT/2000 (ipx/spx, tcp/ip, udp)
- **Interfaces** COM, DCOM, Network, RS232/485, DDE, OPC
- **Hardware:** Intel

Experience Summary:

- Designed and programmed WAN driver for controlling and status receiving over TCP/IP.
- Designed, programmed and maintain complete building automation system involving device communication (EIB, Profibus, Bacnet, Landis & Staefa, Janitza, Modbus, Honeywell XBS DDE, OPC, Interbus), GUI, and Trend storing/analysis/visualization.
- Directed and coordinated OEM implementation with Graphisoft, Hungary, for connecting with import and export interface of Graphics and Building automation information over TCP/IP with Grphisoft’s ArchiCAD and ArchiFM software.
- Performed **project management functions** of coordinating and directing with **German/Indian team of 16 programmers** for porting DOS code to Windows NT and Solaris.
- Programmed Software Licensing system using Aladdin HardLock dongle and RC5 to include MAPI and fax interface.
- Liaised and coordinated with **all levels of management** while performing duties which involved international hardware manufacturers, clients, and out-sourced software houses.
- Designed, programmed, and implemented **device drivers** for the following categories, **Building Automation:** Landis and Staefa SGUb, Janitza Universal Measuring Device, Honeywell XBS DDE, Standard Protocols - EIB, Profibus (GA, FMS), Bacnet, Modbus, Interbus S, **E-Mail:** Windows MAPI (SMTP,POP), **Centrals:** Cerberus (CS11), Optro, **Telephone:** Windows TAPI, **Intercom:** Neumann, EFE, Ericsson, Schneider/Commend; **Fax:** Class 2, Class 1; **Public Access:** Crown International; **Radios:** Ascom, Motorola (HCR9003, MAL219), Bosch Telecom RP201, Deister, Virtual Muxer Tour, MAP 27; **Intrusion/Access Control:** Cerberus (CS440), Cotag, Maniago & Hess, Isgus, Northern, FritzFuss, **Video/Capture:** Sony, Ernitec, Fast (MMP), Windows Video Capture Interface, CC2000, **Muxer:** Mathematischesoftwareburo; **Printers/Languages:** HPGL, Postscript, PCL5, Persona Cheetah II and Seiko SLP (ID card printers).
- Responsible for internal/external **communication systems** dealing with ISDN, Internet, and on-line services.
- Designed, coded and maintained complete graphic editor for drawing and printing, **Graphic Formats: CTC (self developed), WMF, DXF (r13), SLD, TIFF, BMP, FON, FNT.** Created Windows type “Device Context” abstract printing/drawing routines and function tables for DOS using HPGL, PCL5 and Postscript.

- Designed and developed **person tracking and ID card printing** system, to include a dynamic layout and image editor which incorporated online database information and video grabber images sent over networks, plus the above noted video and ID printer drivers.
- Designed and programmed **SecTour** module for Motorola and Bosch Telecom which **communicates over radios** at designated control points to monitor and protect security guards on their rounds.
- Designed and developed dynamic form and dialog layout editor for user defined **system-wide online alarm and statistics reporting** and hardware maintenance schedule controlling.

P R O F I L E

Applicant: Christopher B. Peto

Nationality: American

Born: 26.08.62

Family status: Married with 2 children

IT Experience since: 1991

Education: Bachelor Computer Sciences (3.913 gpa)

Hardware: Intel

Operating Systems: Windows NT 4.0, 95, 98, ME, 2000, XP
DOS
Windows 3.11
XENIX (System V)
Linux

Programming Languages: C/C++(MS-Visual 6-8 – MFC +.Net 1.1-2.0 and Qt, Borland)
Pascal/Turbo Pascal, Assembler
SQL, 80x86 Interrupt Routines in C
UNIX SHELL (BOURNE-SHELL),
JavaScript, Java, SVG, HTML, XML, PHP, Perl,
ABAP (Netweaver 7.0)

Special Software: WebObjects, SWiSHmax, SWiSHvideo, SWiSHstudio,
Eclipse, ClearCase, ClearQuest, IBM Rational UML Modeler

Databases: MS-Access
Raima Database Manager
dBase III Plus
dBase IV
DB2
ODBC
Interbase (Firebird)
SQL (MySQL, MS SQL Server)

Networks: Novell NetWare 3.12, 4, Windows NT

Languages: English, German

Practice in: Application programming
-Building Automation
-Device Drivers
-Communications
- GUI programming
-Graphics Devices
-Object oriented Analyses
-Object oriented Design
-System analyses
-System design
-Review of Code
-Documentation
-Project-Management
-Internet Technologies

Experience in Area: Building Automation

Desktop Publishing
Graphic
Device Drivers
Internet
Traffic Control Systems

Branches:

Security
Electronic repair/design
Marketing/Advertising
Traffic

Willingness to move:

Flexible

Available on:

Immediately

References:

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