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# Paul Jones

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## INDUSTRIAL / PHYSICAL AND SOFTWARE ENGINEER

**Objective:** Seeking a professional position in Software, Industrial, Physical Engineering requiring advanced technical knowledge and providing an opportunity to improve the systems and operations of a company through continued development of professional skills.

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**Summary:** Over 14 years of professional experience in positions as Project Manager, Industrial / Physical Engineer, Software Engineer, Technical Teacher, Electrical and Electronics Engineer, Mechanical Engineer, Computer Service and Electronics Technician.

- ***Skilled in process and system optimization***, prototype development, analysis, troubleshooting, testing, documentation, internal control procedures, integration concepts and business models, system and program security, systems analysis, software development, hardware and software installation, applications and program management, technical support, and network administration.
- ***Experienced in fostering and developing client relations***, creation and evaluation of feasibility studies and business plans, providing end user training and innovative technical solutions, development and coordination of all phases of project life cycle, conducting equipment demonstrations, and increasing efficiency to enhance profitability.
- ***Cross-Functional team leadership skills*** include ability to lead and motivate co-workers from all backgrounds, creative problem-solving and solution-oriented work style, decisive and confident decision-making, and in-depth proficiency with new technology trends, recognized for attention to detail, adherence to standards, and expert technical background.
- ***Well-developed communication skills*** demonstrated in German, English and Spanish, extensive international travel, documented writing and editing talents, ability to work well independently and as part of a team, developing effective client relations, providing superior client service and satisfaction.

## PROFESSIONAL DEVELOPMENT

Bachelor	Degree in Physical Technology (1 <sup>st</sup> Class)	1989 - 94
Diploma	Electrical & Electronic Engineering	1986 - 87
Apprentice	to Computer and Electronics Technician	1983 - 85
Apprentice	to Mechanical and Electronics Technician	1981 - 83

## PROFESSIONAL EXPERIENCE AND SIGNIFICANT ACHIEVEMENTS

### SOFTWARE AND APPLICATION ENGINEER

**2002 - Present**

#### Self Employed

Wrote product specifications and assisted in developing an application for an online dating agency.

- Finance: Monitoring payments, automating new memberships and expiration of memberships.
- Admin: suspending member accounts, blocking unsuitable materials.
- Created site tools: created personal profile match facility, hosted email facilities with anonymous messaging, withdrawing / amending member details, saving password (cookies).
- Software tools used: Visual Studio.NET, Windows 2000, DBMS (MySQL), IIS, DeZign for Databases, HTML, Adobe Photoshop and GoLive.

#### Development of an online B2B platform to auction motor vehicles.

- Created a feasibility study, business plan, business requirements and technical specifications for expansion to other business services.
  - Developed highly effective object-orientated web application with the highest security and international serviceability requirements.
  - Developed interfaces to various merchandise management systems, a vehicle specification provider and MS Office applications.
  - Designed a flexible configurable user administration with differentiated access and authorizations to sensitive data and program functions.
  - Evaluated and presented statistical data and trained end-users.
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## SOFTWARE ENGINEER

Mar 02 - May 07

Write Company A Here

**Project (1):** Development of a multilingual stock management application that manage chemical storehouses over Internet/Intranet worldwide.

- Met high security requirements, identified risks and dangers to international storehouses.
- Developed procedures that optimized storage space and increases cost efficiency.
- Sophisticated user administration with differentiated authorizations to sensitive data.
- Created interfaces for unique evaluation.
- **Project (2):** Developed an application for analyzing, importing and processing text files, which were produced by a Sap-R3 system. The application extended MS Office by a SAP-R3 interface.
- **Project (3):** Developed an MS Excel VBA application for visual examination and processing of environmental and technical measurement data. An ActiveX control imported the data produced by under-stored systems into the application.
- **Project (4):** Designed and developed a web application for automated handling of customer orders. Web forms configured by a database. Automatically processed requests, orders and calculation of all processes. Invoice generation, transmission and allocation to cost centres took place instantaneously.
- **Project (5):** Developed reusable WebObjects components for content oriented internet application with the following functionality: Content management, internet auction, press releases, administration, message board, automated newsletter distribution, chat.
- **Project (6):** Laboratory management system with manual and automatic inputs in real time. Developed data models, implemented the system, performed database maintenance. Developed procedures for analysis and processed text files. Prepared interfaces for enterprise-wide communication over the Internet (SOAP). Developed various complex VBA applications to access a database via SQL statements.
- **Project (7):** B2B application for file exchange of highly sensitive data between manufacturers and suppliers over FTP, HTTP or ISDN. Only certified participants allowed to use the system.

## SOFTWARE ENGINEER

Jan 99 - Mar 02

Write Company B Here

**Software development project:** calculated costs, budgeted finances, assisted in developing new calculation procedures.

- Wrote complex reports, an operator's guide and test cases.
- Created various interfaces for data exchange with various database systems and different applications (automatic notification systems, cost calculation, SAP).
- Provided technical consultation and customer support.

## APPLICATION AND DEVELOPMENT ENGINEER

May 95 - Dec 98

Write Company C Here

- Taught a U.S. subsidiary company, PLC programming for Siemens Simatic S7, Kloeckner Moeller, AEG and Assembler 8085. Provided software training in AutoCAD, 3D Studio, HP ME 10, Matlab & Simulink.
- Developed prototypes monitored and supervised the construction and manufacturing.

### ADVANCED TECHNICAL SKILLS:

**Platforms:** Windows 95/98/NT/2000/XP, DOS, Linux, UNIX, Mac OS, OS2 Warp, PLC.

**Languages:** C#, J#, VB#, Java 2EE, Delphi, VB, VB-A, Turbo Pascal, Panther, SQL, Assembler, HTML, XML.

**DBMS:** MS SQL Server 2000, MySQL, Oracle, MS Access, OpenBase, InterBase, Informix, GUPTA.

**Hardware:** IIS Servers, MS Servers, Cisco Routers, PLC (Siemens Simatic S7, Kloeckner Moeller, AEG), Industrie & Panel-PC's, laboratory (Laser & Optics).

**CAD:** AutoCAD, ACAD, HP ME 10, AutoCATS, 3D Studio, CadSoft EAGLE, Matlab, Simulinc.

**Tools:** VS.NET, ASP.NET, ADO.Net, Java, WebObjects 5.2, Apache Tomcat, TOAD, JBuilder, Delphi, Rational Rose, Together ControlCenter, DeZign for Databases, MS Project 2000, CVS, MS Visual SourceSafe, VISIO, GoLive, Photoshop.

### EARLY CAREER SUMMARY:

<b>Trainee - Technical Engineer</b>	Serveis Administratius, Igualada, Spain	1992
<b>Service Technician</b>	Förster, Bergheim, Germany	1985-86

**MULTI-LINGUAL:** German, English Spanish.

**Status:** Single. **Born:** 1967.