

PHILLIP JALOWIEC

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Active, passionate leader able to rapidly understand both detailed and company-level challenges with **strong core technical skills** in systems, databases, software and hardware engineering and **broad organizational capabilities** in human resources, financial and manufacturing controls with a **customer service focus** in motivating staff and maximizing corporate value.

TALENTS

Broad and rapid systems analysis, identifying strengths and weaknesses and direction vision.

Technical know how in software, hardware and real-time systems and

ability to apply appropriate technology based on technical and business trade-offs.

Communicate with staff in the context of their responsibility and language unique to their tasks, and **coach** them in understanding the function and value of their efforts in the big picture.

SKILLS

Database architecture, SQL, Microsoft SQL Server, Access, Informix, MySQL, Query/400.

Languages: Java, C# .NET, C, Visual Basic, JavaScript, PHP, HTML.

Real-time embedded technology, Detailed digital systems engineering, FPGA design.

CERTIFICATIONS

MCT, MOS, MCSA, MCDBA

PROFESSIONAL EXPERIENCE

- Present APEX SYSTEMS, Scottsdale, Arizona
Mar08 Blackboard Transact, Phoenix, Arizona
Consultant, Systems Analyst
- Provided architectural and system analysis, data modeling and data dictionary definition for new eCommerce platform.
 - Researched and modeled practical applications based on standards such as Association for Retail Technology Standards (ARTS).
 - Provided training in XML, XPath, XQuery, SQL Server XML and C# LINQ and Programming.
- Present CHANDLER-GILBERT COMMUNITY COLLEGE, Chandler, Arizona
Jan02 PARADISE VALLEY COMMUNITY COLLEGE, Phoenix, Arizona
Adjunct Faculty
- Database: SQL Server, Oracle Administration, Data Modeling and Relational Design
 - Programming: C# .NET, Java Systems: Windows, Windows Server
- Present ADJUNCT FACULTY ASSOCIATION, Phoenix, Arizona
Apr07 **Treasurer** (June, 2010 - Present) **College Representative** (April, 2007 - June, 2010)
- Provided leadership and actively revitalized the organization and its structure.
 - Actively participated on College Adjunct Faculty and Leadership Committees.
- Dec05 CCBILL.COM, Tempe, Arizona
Mar05 **Engineering Manager** (Oct, 2005 – Dec, 2005) **SQL Engineer** (Mar, 2005 - Oct, 2005)
- Primary architect and team lead in developing pure Java based credit-card and ACH transactional gateway system utilizing flow architecture, JMS, and Tomcat.
 - Designed, modeled and deployed MySQL databases.
 - Provided training in object-oriented programming, Java, and database design.
- Nov03 SOUTHERN MOTORCYCLE SUPPLY, INC., San Diego, California
Aug02 **Senior Management** (Jan, 2003 – Nov, 2003) **Consultant** (Aug, 2002 - Dec, 2002)
- Enhanced warehouse operations and information flow and developed related database analysis and reporting tools using DB2 and Query/400.
 - Provided structure to sales organization and developed target orientation and developed related prospecting management and sales performance tracking tools.
 - Reviewed corporate operations, interviewed staff to identify opportunities for organizational enhancement and growth and initiated changes.
 - Revised and developed Employee Manual and OSHA Injury Prevention Program.

- 2002 LEADING EDGE CRYOGENICS, INC., Camp Verde, Arizona
1998 **Chief Intellectual Property Officer, Chief Financial Officer**
- Organized accounting, engineering and intellectual property and resolved legal matters.
 - Participated in novel control system design for cryogenic treatment system.
- 1996 AT&T CAMPUSWIDE ACCESS SOLUTIONS, INC., Phoenix, Arizona
1990 (Formerly Harco Industries, Inc., Currently Blackboard Commerce & Access Solutions)
President (1994 - 1996)
- Successfully transitioned organization through acquisition while continuing growth.
 - Drove cost reductions by refining forecasting, purchasing and manufacturing while introducing compatible enhanced products with better manufacturability characteristics.
 - Expanded engineering database systems integrating problem reporting, tracking, resolution and release with direct to customer reporting using INFORMIX and C.
- HARCO INDUSTRIES, INC., Phoenix, Arizona
President (1990 - 1994) **Vice President, Operations** (1990)
- Restructured organization, motivated staff, increasing personnel effectiveness and returning the corporation to profitability and then high growth.
 - Established coherent product direction, product planning, marketing programs to become the market leader serving colleges and universities.
 - Provided architectural, system and software design leadership in enhancing unique hybrid UNIX OLTP and network based real-time transaction authorization system.
 - Designed hardware and software of POS terminals, access and vending readers.
 - Implemented databases supporting HR, engineering, call center using INFORMIX and C.
- 1990 LEMCOM SYSTEMS, INC., Phoenix, Arizona
1980 **Director, Engineering** (1987 - 1990) **Director, Systems Engineering** (1980 - 1987)
- Directed and participated in the development of mainframe data communications platform including architecture, hardware, microcode, test and manufacturing.
 - Provided system architecture leadership in development of new and custom products.
 - Implemented corporate databases providing automated inventory control, document control, job control, escrow and library systems using INFORMIX and C.
- 1980 MOTOROLA, INC., Phoenix, Arizona
1977 **Section Manager, Engineering** (1979 - 1980) **Engineer, Staff** (1977 - 1979)
- Directed and participated in hardware and test software development of a number of EXORbus micromodules, disk controller and the VERSA module chassis.
 - Designed and directed efforts on 6809 microcomputer, ROM based operating system, bit slice development system, and custom X.25 network interface processor.
- 1977 SUN ELECTRIC CORPORATION, Chicago, Illinois
1976 1974 **Engineer, Research** (1976 - 1977) **Cooperative Engineering Student** (1974)
- Designed microprocessor based automotive data acquisition system, modular emissions tester and supported related dynamometer and diagnostic systems.
 - Designed and patented microprocessor bar graph / numeric LSI Hybrid meter.

EDUCATION

- 1983 ARIZONA STATE UNIVERSITY
Master of Business Administration G.P.A.: 3.71 of 4.00
- 1978 UNIVERSITY OF ILLINOIS CHICAGO CIRCLE
Master of Science, Electrical Engineering G.P.A.: 4.57 of 5.00
- 1975 UNIVERSITY OF ILLINOIS CHICAGO CIRCLE
Bachelor of Science, Electrical Engineering, High Honors G.P.A.: 4.43 of 5.00
- ON-GOING PARADISE VALLEY, GLENDALE, CHANDLER-GILBERT COMMUNITY COLLEGES
Software Languages, Scripting, Microsoft Technology (Office, Servers, Clients, Networking),
Database Design and Administration G.P.A.: 4.00 of 4.00

ADDITIONAL INFORMATION

Arizona Community College Teaching Certificates – Business & Engineering
1999 Outstanding Alumni Award University of Illinois at Chicago College of Engineering
Patent #4,144,573 Curvilinear display universal metering system, March 13, 1979.
Member BETA GAMMA SIGMA, PHI KAPPA PHI, IEEE.