

JAMES K. DAVIES

4605 123rd Ave NE • Lake Stevens, WA 98258

Phone (425) 335-5119 • Cell (425) 418-7225 • E-mail jim@jkdservices.com

OBJECTIVE

To secure a technical management or lead development position with an innovative, energetic, growing company who is seeking a highly motivated and extremely productive person with extensive product development, database development, project management, and managerial experience in multifaceted applications requiring strong engineering discipline and high work ethic.

SUMMARY OF QUALIFICATIONS

More than 15 years of software development experience.

- Technical staff management experience.
- Project management experience.
- Experience developing products from the inception through the development phases including post sale customer support.
- Extensive database design and development experience.
- Very motivated, self-starter with excellent written and verbal communications skills.

TECHNICAL QUALIFICATIONS

Operating Systems:

Windows XP, Windows 2000,
Windows NT, Windows 98,
Windows 95, DOS, OS/2,
Novell Networking

Development Tools:

VB.NET, ASP.NET (both
Visual Studio 2003 and 2005),
Visual Basic, Microsoft SQL
Server, SQL Server Analysis
Services, SQL Server Reporting
Services, OLAP, Access,
HTML, ASP, VBScript,
JavaScript, Crystal Reports, C,
ERwin, LabView, QBasic and
PC Basic

Applications:

Microsoft Office Suite (Word,
Excel, PowerPoint, Outlook),
MS Project, several graphical
applications and sundry legacy
applications

EDUCATION

B.S. Electrical Engineering – 1988
California Polytechnic State University
San Luis Obispo, CA

Engineering Courses
Santa Rosa Junior College
Santa Rosa, CA

PROFESSIONAL EXPERIENCE

2004 - Present **Contour Aerospace** Everett, WA

Software Engineer

Contour Aerospace is a division of Vought Aircraft and they manufacture small and large aircraft components.

Responsibilities:

- § Responsible for designing, implementing, and maintaining company Intranet site. Utilized ASP.NET (with Visual Studio 2003), ASP, HTML, VBScript, JavaScript, SQL Server 2000 and SQL Server Reporting Services to develop the site from ground zero.
- § Responsible for the maintenance and monitoring of company SQL Servers. Implemented automated maintenance plans for servers and monitor all SQL Server jobs via an automated report that gets delivered every morning.
- § Create reports using SQL Server Report Services.
- § Created and maintain an automated shipping notice application (VB.NET service) which sends electronic packing slips to one of Contour's major customers.
- § Created several custom applications on the Intranet (ASP.NET, SQL Server 2000) to help improve the company's efficiency.
- § Once Visual Studio 2005 was released, started the migration of the Intranet content from .NET Framework 1.1 to 2.0.

2004 **Solutions IQ** Bellevue, WA

Contract Software Engineer

Contracted with Microsoft, Corporation (March 2004 – June 2004)

Worked in the IT Finance division to provide them with a data warehousing solution which allows them to report/analyze data from multiple corporate data sources. The solution provides OLAP cubes which can be accessed using Excel along with database views to access detailed records through Access.

Responsibilities:

- § Gather reporting requirements from all group members.
- § Locate and review structure of corporate data sources needed for reporting.
- § Create stored procedures and DTS packages for pulling new data into data warehouse (SQL Server 2000).
- § Create OLAP cubes using SQL Server Analysis Services.
- § Create Excel templates and Access database to be used by group members for reporting.

2004 **JKD Services** Lake Stevens, WA

Independent Contract Programmer/Web Developer/IT

- § Provide contract programming/database services to Bookham Technology. Provide enhancements to existing applications (Visual Basic, SQL 2000), create and enhance web reports (ASP, HTML, JavaScript, VBScript, SQL 2000).
- § Continue to maintain/upgrade two websites for Interactive Meeting Solutions (www.interactivemeetingsolutions.com , www.meetingtruths.com) and the motorcycle club's website (www.sierraothg.com).

2001 – 2003

Bookham Technology

Santa Rosa, CA

Senior Software Engineer

Cierra Photonics (which was purchased by Bookham Technology in July, 2003) is a telecommunications company that specializes in manufacturing optical filters.

Responsibilities:

- § Responsible for database design and maintenance. Created new database schemas for new applications, created new stored procedures for applications and reports, enhanced the performance of existing stored procedures by adding indexes to database and reworking procedures, setup and monitored replications of data from the production database to the reporting database.
- § Responsible for maintenance and enhancements to the company Manufacturing Execution System (Visual Basic, SQL 2000) which is used to move parts electronically through the production process.
- § Created and maintain wafer scanning software (Visual Basic, SQL 2000) which interfaces with Agilent lasers and a motion control system.
- § Maintain and enhance intranet website (ASP, HTML, JavaScript, VBScript, SQL 2000).
- § Responsible for creating Crystal Reports which are accessible on the intranet website.
- § Responsible for maintenance and enhancements of the Optical Monitoring software (LabView) for the Coating Chambers which interfaces with Agilent lasers and Stanford Research Lock-In Amplifiers.
- § As a senior engineer, assist other developers with problems and projects, help define programming standards, and help develop programming procedures.

2003

Concurrent Technical Experience

Santa Rosa, CA

Independent Contract Programmer/Web Developer/IT

- § Designed, developed, and maintain a corporate website for Interactive Meeting Solutions, a provider of meeting facilitation services. This website was developed using HTML and JavaScript. The URL of this website is www.interactivemeetingsolutions.com.
- § Designed, developed, and maintain a second website sponsored by Interactive Meeting Solutions for the purpose of providing a discussion forum on topics related to Corporate meetings. This site was developed using ASP, JavaScript, and HTML with an Access database to store user login information and survey results. This site also uses a third-party ASP and Access based application for the hosting of a Meeting Discussion Forum. The URL of this website is www.meetingtruths.com.
- § Designed, developed, and maintain a website for a motorcycle club. This site includes current news, the race schedule, classified ads, related links, etc. This site was developed using HTML and JavaScript. The URL of this website is www.sierraohg.com.
- § Maintained the computer system for a Dentist office. Upgraded computer system from Windows 98 to Windows XP. Installed and configured new computers and provided technical support for employees.

1997 – 2001

The Pathways Group, Inc.

Santa Rosa, CA

Program Manager – R&D

The company evolved from primary development of an internally used product to become a transaction processing company specializing in credit card and smart card applications.

Responsibilities:

- § Manage a group of developers of varying disciplines (Visual Basic, C, Web).
- § Migrated the unattended ticketing kiosk to a browser based system utilizing a client side Visual Basic application, server side Visual Basic ActiveX DLL, and ASP. This system connected to both an Access and a SQL Server database.
- § Project management of multiple applications including:
 - § Upgrading the company's unattended ticketing system from DOS to Windows.
 - § A second major release of the unattended ticketing system.
 - § The creation and implementation of a cashless midway system for carnivals using smart card technology as well as cash reconciliation and certificate accounting.
 - § The creation of a point-of-sale system which processes credit card transactions as well as performs loyalty and electronic coupon transactions on a smart card.
 - § Implementation of a third party electronic cash payment system. Interfacing with national processing gateways to VISA, MASTERCARD, AMERICAN EXPRESS, etc.
- § Assisted in the development of the majority of company applications. The majority of the development utilized Visual Basic, Access, and SQL Server; however, the point-of-sale systems were developed using C.
- § Help develop company procedures for product development.
- § Provide technical input for proposals given to potential customers.
- § Develop and maintain client relations reporting Intranet site (utilizing ASP, VBScript, HTML, and Crystal Reports).
- § Develop and maintain R&D intranet site. This included a project accounting system comprised of work entry, reporting, and administration, an Out of Office calendar, database statistics, and links to the bug tracking system (utilizing ASP, client side VBScript and JavaScript, and HTML)

1996 – 1997

Solutions IQ

Bellevue, WA

Contract Software Engineer

Contracted with Microsoft, Corporation (January 1996 – May 1997)

Worked in the consumer division for both the Cinemania and Parenting groups. The Cinemania group developed a movie catalog on CD and eventually converted it to the web. The Parenting group developed a web based parenting site.

Responsibilities:

- § Converted the *Cinemania*® content database from Access to SQL Server 6.5.
- § Wrote an application for extracting the content from the database and converting it to the proper format to be placed on the CD. Developed using Visual Basic 4.0 running on Windows 95 and Windows NT.
- § Transferred all of the content for the Parenting project (previously in RTF file) into a SQL Server database.
- § Created and maintained an application used to edit the content in the SQL Server database. Developed application using Visual Basic 5.0 and SQL Server 6.5 running on Windows 95 and Windows NT.

Contracted with Care Computers (May 1997 – August 1997)

Care Computers developed nursing home software. I was contracted to be the lead developer on a new Rehab module that they were developing.

Responsibilities:

- § Design and develop Rehab application from the specifications provided by the Project Manager. Application was developed using Visual Basic 5.0 and Access 97.
- § Provide technical assistance to junior developers on the project.

1995 – 1995

Aerotek

Bellevue, WA

Contract Software Engineer

(August 1995 – December 1995)

Contracted with a company who wrote a software application for the Hanford Nuclear Power Plant that was used to track clean-up efforts.

Responsibilities:

- § Created and documented all SQL Server stored procedures to be used by the system. Originally used SQL Server 4.0 but soon converted to SQL Server 6.5.
- § Created a VBX to encapsulate the SQL Server BCP functionality. This VBX was used from within Visual Basic. Written in C.
- § Assisted with the development of several modules. Written in Visual Basic 3.0/4.0 and running on Windows 95 and Windows NT.

1989 – 1995

Pathways International, Ltd.

Woodinville, WA

Software Engineer – R&D

The company originally developed custom software for non-profit agencies. This software included an accounting module, membership tracking module, a pledge tracking module, and an electronic banking application. The company later developed an unattended ticketing system for use primarily in amusement parks and ski resorts.

Responsibilities:

- Original responsibilities included the maintenance and enhancement of the non-profit application modules. Written in Basic and running on a DOS operating system.
- Rewrote automated banking system and provided end-user technical support and training. Written in Basic and running on a DOS operating system.
- Project managed, designed, developed, installed, trained, and supported unattended ticketing system. Development included interfacing with several pieces of hardware including magnetic stripe card readers, ticket printers, and receipt printers. Also wrote automated interfaces into both US based and Canadian based credit card processing systems. Made three major releases of the product. Written in Basic and running on DOS. OS/2 was run on the Manager's Workstation.

1988 – 1989

Chevron – Chemical Division

Rock Springs, WY

Plant Electrical Engineer

This division of Chevron produced phosphate fertilizer. The plant had several large production facilities and produced supplemental power using a turbine generator.

Responsibilities:

- Designed and oversaw new electrical projects for plant.
- Evaluate electrical needs of plant and initiate power plans.
- Interfaced with onsite electricians and worked with contract engineers.

References available upon request