

**Thomas Zak**  
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## **Objective**

Seeking a position as manager for technical and e-commerce projects. These responsibilities would include choosing technologies and hardware to utilize, architecting the design and leading a team of developers to implement the solution.

## **Managerial Skills**

- Manage 8 to 17 employees and contractors on projects of up to one million dollars
- Provide project oversight, budgeting, estimating, and delivery management for IT projects
- Main point of contact for all clients, both during project implementation, and on an ongoing basis
- Inovie TeamCenter online collaboration and project management tool experience
- Problem tracking systems experience, including self-written BugTrak, used by New Channel Technologies
- Systems Life Cycle methodologies experience, including Electronic Data Systems "Systems Life Cycle" and General Motors "Four Phase Process". Designed and implemented New Channel Technologies' "12 Step Process"

## **Technical Skills**

### **Professional Internet Design**

- Cold Fusion, Active Server Pages, JavaScript, Perl, and Flash experience
- User interface development using ColdFusion Studio 5, Visual Interdev 6.0, MS Frontpage 2000, Macromedia DreamWeaver 4, and Adobe Photoshop 6
- E-Commerce experience with AT&T Secure Buy, CyberCash, Verisign PayFlow as well as Cold Fusion shopping cart and auction site design and development
- Implemented Perl shopping carts. Trained in IBM Net.Commerce
- IIS5 web server administration, including server, site, ODBC, and SSL setup

### **Professional Client/Server Design**

- Programming experience in C++, C, SQL, PL/SQL, Visual Basic, VBScript, FoxPro and Pascal
- Database design using SQL Server 2000, Oracle 8.1.7, Access, FoxPro and Informix.
- Object Oriented design experience
- Unix based programming and Unix/Windows cross-platform construction
- Proficient with Windows (95/NT/2000/XP), Unix (IBM, Sun, SGI, HP, Cray), and Macintosh computers, with minor MVS mainframe experience

### **Other**

- Microsoft Project, Microsoft Visio, Microsoft PowerPoint
- Microsoft Certified Professional
- Certified Actuate Consultant including Actuate Developer Workbench. Designed user interfaces using HTML, FoxPro, Visual C++, Motif, and ILOG
- 3D Engineering graphics and digital video experience using AVS, EnSight, and Integrated Video

## Experience

- June 01 to Present  
**New Channel Technologies** • Brunswick, Ohio  
**Director of Delivery** – Oversee all projects and developers. Interact with customers on delivery, scheduling and billing issues. Manage projects to verify that developers hours applied to the project do not exceed budget. Lead Architect role on many projects. Responsible for estimating and writing all new business proposals.
- Managed projects up to one million dollars in size, including projects with over \$400,000 in services
  - Managed multi-year engagements with several Fortune 1000 clients
  - Provided strategic planning and direction for outside clients
  - Managed multi-phase projects and developed ongoing support agreements
- Dec 99 to June 01  
**Senior Manager** – Managed several internet and e-commerce projects, oversaw the operation of internal networks and developed information technology plan. Management duties included project architecture, design and cost estimation. Managed teams of one to seven developers, while providing hands on development and mentoring.
- All web projects utilized databases with SQL or PL/SQL stored procedures, and either ASP or Cold Fusion for dynamic content. Some web projects included Visual Basic programs for backend database management.
- May 98 to Dec 99  
**Senior Consultant** – Lead technical resource for Internet design and development. Involved in all aspects of project life cycle including project specification and estimation, project kickoff meetings, system design, construction, testing and implementation. Created estimates and proposals for over half of the projects signed. Developed project impact statements for handling out-of-scope customer requirements.
- Projects included over two dozen web applications as well as short term Internet consulting to provide direction for corporate Internet strategies. Acted as backup network administrator, including management of web servers and database servers. Developed Cold Fusion, ASP, and SQL tests for prospective hires.
- March 97 to May 98  
**Sterling Technology Inc.** • Broadview Heights, Ohio  
**Vice President, Internet Development** – Sold, managed, and delivered projects for customers needing software and Internet solutions. Developed programs using C++, FoxPro, VBScript, Perl, Qmodem scripting, Java, and JavaScript. Version control provided by Visual SourceSafe. Projects included complete systems automation, including computer telephony, fax, and modem transmissions.
- October 96 to March 97  
**Ford Motor Company** • Dearborn, Michigan  
Contracted by Tech Aid Corporation  
**Consultant Programmer** - Designed and created C based modules for internal 3D engineering postprocessing package (EnVision) in Unix environment. Directed project team in implementing program changes.

**MCI** • Colorado Springs, Colorado  
Contracted by Aerotek's Maxim Group  
July 96 to October 96 **Consultant Engineer/Programmer** - Lead programmer responsible for designing C programs and Informix SQL queries for harvesting, filtering, and compressing client information using parallel IBM SP2 and Sun SparcCenter 2000 systems.

**Ford Motor Company** (independent contractor) • Dearborn, Michigan  
November 95 to July 96 **Consultant Engineer/Programmer** - Designed and created an object-oriented program for compliance with Ford's environmental permit requirements. Cross platform tools were utilized to develop program for Sun and WindowsNT/3.1 systems. Utilized true object based C++, Rogue Wave class libraries, ILOG interface design tools, Informix 7.1 databases, and Clearcase version control utilities.

**Electronic Data Systems** • Warren, Michigan  
February 93 to November 95 **Engineering Systems Engineer** - Created 3D visualizations and animations of GM research data using AVS and EnSight software and custom C add-on modules. Visualizations were based on magnetism, crash testing, airflow analysis, and pollution monitoring. Programmed Motif-based XWindows engineering applications, and provided Motif and C support for local users. Worked with multiple vendor Unix workstations and Cray systems.

## Education

**Case Western Reserve University**  
Masters of Mechanical Engineering 1992, 4.00 GPA  
Bachelors of Mechanical Engineering 1991, 3.67 GPA  
Four years tutoring experience in Mathematics, Physics, and Programming (Pascal).

**URLs**  
[www.sherwin-automotive.com](http://www.sherwin-automotive.com) (Sherwin-Williams, lead architect and programmer)  
[www.stylinconcepts.com](http://www.stylinconcepts.com) (e-commerce, auto parts)  
[www.fredmartindodge.com](http://www.fredmartindodge.com) (lead architect, automobile auctions)  
[www.ffl.net](http://www.ffl.net) (lead architect, banking)  
[www.firstfasteners.com](http://www.firstfasteners.com) (b2b portal, fastener industry marketplace)

References available upon request.