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OBJECTIVE

To join a team as a C/C++ software developer, where I can continue to develop my skills in software design and eventually move into a project manager or program manager role.

QUALIFICATIONS AND SKILLS

Over 6 years experience as a C/C++ developer. 1.5 years experience as lead developer/designer. Consistently provide innovative solutions which increase productivity and satisfy customers.

C/C++, STL, MFC, UML, Microsoft Developer Studio, Microsoft[®] Visual Source Safe, MKS Source Integrity, Wise for Windows Installer, Windows, Microsoft[®] Office Suite, UNIX, PHP, JavaScript HTML, MySQL, X-Designer, vi, Motif, Visual Basic.

EXPERIENCE

August 2005 – Present **Tecplot, Inc.**

C/C++ Senior Programmer/Project Lead

- C/C++ programmer for Tecplot 360[®], the market leading data visualization tool for aerospace and CFD engineers.
- Lead developer on a project to customize Tecplot 360[®] for a third party which intends to use this customized version of Tecplot 360[®] as the visualization tool for its market leading optics design software.
- Manage all aspects of architecture, design, user-interface and implementation of the customization project. The MFC interface will be localized for many different languages including English and Japanese.
- The project makes use of C++, OOD, MFC, STL, and XML.
- Responsible for communication with client regarding design, interface requirements, expectations, and deadlines.
- Personally produced innovative solutions which extend the Tecplot 360[®] interface and functionality, allowing our sales staff to pursue a \$20-30k sale opportunity which would have otherwise been lost. These solutions have been promoted on our customer forums website (www.tecplottalk.com), used in marketing demos, and used by the sales team and many employees.
- Member of a team to review and validate the design and architecture of a new product being developed by Tecplot, Inc.

December 2003 – August 2005 **Sturtevant's Mountain Outfitters**

Manager of IT and Web Development

- Maintained a 16 computer network at three different retail locations.
- Designed and Maintained Sturtevant's web-site, www.sturtos.com.
- Updated the web-site's e-commerce engine, creating a more professional look which resulted in more page views and doubling online sales.
- Developed PHP scripts to automate repetitive tasks, display dynamic content and analyze and update online inventory.

- Migrated the company to Microsoft Exchange Server to centralize data, allow employees to use any machine in the office, and use Outlook Web Access to improve the ability to work from home and on the road.
- Responsible for all hardware and software purchases.

February 1999 - November 2003

Tecplot, Inc.

C/C++ Programmer

- Designed, implemented and maintained graphical user interface of over 250 dialogs for both Windows and UNIX platforms, utilizing MFC and MOTIF.
- Improved and maintained a custom program which converts X-Designer interface code to MFC interface code to ensure a consistent interface on both Windows and UNIX platforms and reduce repetitive work.
- Developed and managed Windows installation and patch programs for Tecplot[®], using Wise for Windows Installer.
- Created automated build system which interfaces with Visual Source Safe, Visual Studio and Wise for Windows Installer to standardize the build process. This increased productivity by reducing hours of work to a single click.
- Improved and maintained automated testing program and incorporated it with the automated build system, to reveal bugs immediately, improving product quality and stability.
- Created image differencing tool and integrated it with the automated testing program to display visual differences in plots produced by Tecplot. This allowed developers to immediately see the effects of code changes on Tecplot's output.
- Participated in four major product releases and many updates in between.

1995 - 1999 Recreational Equipment, Inc.

Lynnwood, WA

Retail Sales

- Retail Sales, Bicycle and Ski Repair.
- Provided excellent customer service and learned aspects of nearly every department.

EDUCATION

1993-1997 University of Washington

Seattle, WA

- B.S., Electrical Engineering

ACCOMPLISHMENTS & INTERESTS

Eagle Scout, Have climbed all the volcanoes in Washington, Have run five marathons, Cycling, Triathlon, Swimming, Skiing.

- Wrote PHP and MySQL based blogging software for www.fowlerfamily.com.
- Wrote gift registry software for family use (<http://registry.fowlerfamily.com>).
- Created PHP based calendar to keep track of marathon training (<http://www.fowlerfamily.com/marathon/?date=11-2006>)
- Created a web application to view GPS data collected by my Garmin Forerunner 201. Uses PHP, JavaScript, and Google Map API (compatible with IE only: <http://dev.fowlerfamily.com/gmap/?filename=bikerides>).