

SOFTWARE ENGINEER

Professional Summary

Goal oriented, product driven software engineer with more than 15 years of experience specializing in enterprise level object oriented system programming and real time data acquisition software development. Areas of expertise include object oriented software design and development, data analysis, version control, software testing and deployment.

Core Qualifications

- Senior C++ programmer using object oriented software design principles and techniques
- Highly skilled in working with complex software systems with multiple developer groups located in different regions on the same code base
- Thorough understanding and use of testing procedures and deployment of enterprise level software
- Critical thinker with strong abilities in complex problem solving
- Significant experience with hardware virtualization platforms including VMware
- Versed in software revision control systems such as CVS, AccuRev and Visual Studio Team Systems Working knowledge of PHP, MySQL, JavaScript, CSS and Apache HTTP Server
- Proficient in Microsoft Office and Adobe Creative Suite
- Bilingual Hungarian and English

Experience

Software Engineer

January 2000 to Current Proquest - Boca Raton , FL

- GSI Tool Development and Feasibility Study Working with scientists to develop data acquisition and processing software of spectral energy data to produce mineralogy and elemental concentration answer products for our customers Providing technical guidance and support for the development and troubleshooting of the hardware system to minimize implementation delays and ensure component interoperability Developed logging software control interface and data acquisition for Geochemical Spectroscopy Instrument and evaluated feasibility data with scientist team to improve answer product quality WET Tool Feasibility Study Designed and built logging software control interface for Water Entry Tool Worked closely with hardware engineering team and handled data processing and analysis to streamline hardware development Sector Bond / Slim Sector Bond Tools Designed, implemented and tested logging software control interface for acoustic logging tools Developed data processing algorithms for collected well data to produce accurate, visual and high quality answer products for the customer Linux System Administration Maintained software deployment and Linux support for all field deployed hardware as the subject matter expert Directed and supervised the installation of operating systems, network and application software for portable well logging systems Linux virtualization Managed virtual machine platform using VMWare to eliminate hardware dependence of product deployment Evaluated and reviewed virtualization software products to be used as real time data acquisition system platform and recommended virtualization platform solutions to reduce R&D to field delays OS-9 to Linux conversion, Pascal to C++ conversion Migrated existing C++ code base from OS-9/Motorola 68000 platform to Intel based Linux platform Converted parts of data logging software from existing Pascal source code running on VersaDOS to OS-9 on Motorola 68000 platform

Software Engineer

June 2009 to October 2009 Public Consulting Group - New Haven , CT

- Documented existing code base for real time high volume high performance stock trading application running in a multi-threaded server environment.
- Developed new trading algorithms and strategies for optimized stock trading.
- Ran simulations and analyzed the results of simulation runs of different trading algorithms to find optimal trading methods.

Software Engineer

January 2003 to June 2003 Public Consulting Group - Nj , NJ

- Designed and implemented a complete dispatching, driver and vehicle tracking system for a trucking company with an asset of 100+ drivers and trucks.

Software Engineer

January 1998 to January 2000 Public Consulting Group - Pa , PA

- Ported existing database interfaces to work with new Oracle SQL database using Pro*C and SQL to handle database queries and import/export customer and order data.
- Designed test procedures and conducted software integration tests to verify the interoperability of newly developed database interfaces.

Education

Post Graduate : 2004 UNIVERSITY OF TEXAS AT ARLINGTON - City , State Earned 12 credit hours towards MSCS degree

Bachelor of Science : Computer Science , 1999 TEXAS CHRISTIAN UNIVERSITY - City , State Computer Science

Interests

FIREFIGHTER/ECA - Willow Park Fire/Rescue March 2006 - August 2008 Provided firefighting, rescue and emergency medical services as a first responder in local community. Obtained SFFMA Firefighter and Departmental Instructor certifications Obtained NREMT First Responder and TXDHS Emergency Care Attendant certifications Obtained Class B driver license and pumper/operator training Most enthusiastic rookie of the year - 2006 Most volunteer responses in a year, 200+ calls - 2007 ASSISTANT COACH - Dallas Stars Metro Hockey League August 2014 - present USA Hockey Certified Level 1 Coach Assisted with mini-mite, U6, hockey instructions and coaching for 30+ children on ice at a

time Planning, coordinating and executing U8 mite and U12 peewee team hockey practices Coaching and running the bench during youth hockey games Gergely "Greg" Takacs Page 2 Continued
Additional Information

- VOLUNTEER FIREFIGHTER/ECA - Willow Park Fire/Rescue March 2006 - August 2008 Provided firefighting, rescue and emergency medical services as a first responder in local community. Obtained SFFMA Firefighter and Departmental Instructor certifications Obtained NREMT First Responder and TXDHS Emergency Care Attendant certifications Obtained Class B driver license and pumper/operator training Most enthusiastic rookie of the year - 2006 Most volunteer responses in a year, 200+ calls - 2007 ASSISTANT COACH - Dallas Stars Metro Hockey League August 2014 - present USA Hockey Certified Level 1 Coach Assisted with mini-mite, U6, hockey instructions and coaching for 30+ children on ice at a time Planning, coordinating and executing U8 mite and U12 peewee team hockey practices Coaching and running the bench during youth hockey games Gergely "Greg" Takacs Page 2 Continued

Skills

Adobe Creative Suite, streamline, Apache, C++ programmer, C++, hardware, conversion, credit, CSS, CVS, data acquisition, data processing, database, dispatching, drivers, English, Feasibility Study, HTTP, Hungarian, PHP, Intel, JavaScript, Linux, logging, Microsoft Office, Motorola, MySQL, enterprise, network, object oriented, operating systems, OS, developer, Oracle SQL, Pascal, Pro*C, problem solving, quality, real time, simulation, software design, SQL, System Administration, troubleshooting, Visual Studio