Gergely "Greg" Takacs

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PROFESSIONAL SUMMARY

Goal-oriented, product-driven software engineer with more than 15 years of experience specializing in enterprise-level, mission-critical, 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.

SKILLS

- 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

EXPERIENCE

WEATHERFORD INTERNATIONAL, Fort Worth, TX
Software Engineer, Jan 2000 - Feb 2016

- GSI Tool Development and Feasibility Study
  - Collaborated with scientists to develop data acquisition and processing software of spectral energy data to produce mineralogy and elemental concentration answer products for our customers
  - Provided technical guidance and support for the development and troubleshooting of the hardware system to minimize implementation delays and ensure component interoperation
  - Developed logging software control interface and data acquisition for Geophysical 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

TRADETRONIX, Las Vegas, NV
Software Engineer - Contract, Jun 2009 - Oct 2009

- 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 low latency stock trading
- Ran simulations and analyzed the results of simulation runs of different trading algorithms to find optimal trading methods

S&S TRUCKING, Athens, TX
Software Engineer - Contract, Jan 2003 - Jun 2003

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

RADIOSHACK, Fort Worth, TX
Software Engineer, Jan 1998 - Jan 2000

- 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

UNIVERSITY OF TEXAS AT ARLINGTON, Arlington, TX
Post Graduate Studies
- Earned 12 credit hours towards MSCS degree

TEXAS CHRISTIAN UNIVERSITY, Fort Worth, TX
Bachelor of Science in Computer Science

ADDITIONAL SKILLS

- Working knowledge of PHP, MySQL, Java, JavaScript, CSS and Apache HTTP Server
- Proficient in Microsoft Office and Adobe Creative Suite
- Bilingual Hungarian and English

VOLUNTEER

WEBMASTER - North Texas Orienteering Association *Sep 2014 - present*

- http://routegadget.takacs.net
- Maintain website of orienteering race mapping results
- Generate custom maps from OCAD course and map data for race event
- Process GPS data from participants and adds them to the database

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