**Gergely “Greg” Takacs**

317 Oak Valley Dr., Colleyville, TX 76034 • (817) 793-4734 • greg@takacs.net • www.gregtakacs.com

**PROFESSIONAL SUMMARY**

Goal-oriented, product-driven multi-disciplinary engineer with more than 15 years of experience specializing in enterprise-level, mission-critical, object-oriented programming and system engineering. Areas of expertise include object-oriented software design and development, data analysis, version control, software testing and deployment, hands-on cyber security product development, deployment and support.

**SKILLS**

* Highly skilled in working on large scale software systems with multiple developer groups located in different regions
* Technical leader of complex teams with wide range of domain and technical knowledge
* Thorough understanding and use of testing procedures and deployment of enterprise level software
* Senior C++ programmer using object-oriented software design principles and techniques
* Significant experience with hardware virtualization platforms including VMware
* Versed in software revision-control and management systems such as CVS, git, AccuRev, JIRA and Visual Studio Team Systems

**EXPERIENCE**

**RAYTHEON, Richardson, TX**

*Senior Cyber Engineer II, Oct 2017 – present* **Current TS/SCI with CI Poly (SSBI dated 12/06/2016)**

* Section Manager
* Managed group of engineers of various disciplines, including hardware/infrastructure, cyber security/system administration, and identification & authentication
* Acted as front line manager to coordinate staffing demands of programs with the company human resource supply
* Conducted technical interviews for senior and entry level position candidates for software engineering
* Technical Lead
* Presented a uniform security stance and policy across program components from a least privilege perspective while acting as a liaison between security, software, deployment, delivery, and test teams
* Coordinated delivery of security solutions such as single sign on, PKI authentication, LDAP based user, and application roles for enterprise program with internal, and external customers, machine, and human users
* Provided tier 3 technical support for enterprise delivery, and test teams to resolve complex problems and offer solutions to meet critical delivery, and test deadlines
* Mentored junior engineering staff on both program specific domain knowledge and technical skills required to complete daily tasks
* Deployed, maintained, and supported certificate management system and key repository for large scale enterprise system of over 10,000 virtual machines. Provided onboarding and ongoing support for software teams with the use of enterprise key repository
* Developed LDAP audit solution to ensure baseline compliance over 70+ virtual hardware strings and networks

*Senior Software Engineer, Apr 2016 – October 2017*

* Program Work – Security Engineering
* Performed "hands on" technical implementation of security solutions comprised of COTS as well as custom developed products
* Performed operating system hardening of large-scale virtualized enterprise systems
* Managed and controlled LDAP server database for group and user authentication and policies
* DDS - IRAD
* Worked on configuring Amazon Web Services EC2 instances for S3 data processing
* Gained familiarity with AWS CLI and C++ SDK
* Developed test code to benchmark data throughput of S3 storage and network via multiple subnets within AWS GovCloud
* Awaiting program access
* Served as system administrator for the development server and as back-up POC for the algorithm team
* Designed and implemented an error correcting algorithm and mentored Jr. engineers with the process
* Completed design and implementation of multi-threaded data processing algorithm incorporating the error correcting BCH code

**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
* 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, high quality visual answer products for the customer
* Linux Virtualization and 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
* Managed virtual machine platform 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

**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 Python PHP, MySQL, Java, JavaScript, CSS and Apache HTTP Server
* Proficient in Microsoft Office and Adobe Creative Suite
* Bilingual English and Hungarian

**VOLUNTEER**

**COACH - Dallas Stars Metro Hockey League** *August 2014 - present*

* USA Hockey Certified Level 4 Coach and Level 1 Referee
* 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

**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