Gergely "Greg" Takacs

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

PROFESSIONAL SUMMARY

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

SKILLS

- Technical leader of complex teams with wide range of domain and technical knowledge
- Highly skilled in working on large scale software systems with multiple developer groups located in different regions
- Thorough understanding and use of testing procedures and deployment of enterprise level software

- Experience with cloud-, and hardware virtualization platforms including Amazon Web Services, VMware
- Versed in solution lifecycle management systems such as CVS, git, AccuRev, JIRA and Visual Studio Team Systems
- Senior C++ programmer using object-oriented software design principles and techniques

CERTIFICATIONS/ADDITIONAL SKILLS

- AWS Cloud Practitioner
- CompTIA Security+ (Satisfies DoDD 8570 IAT Level II and IAM Level I)
- Bilingual English and Hungarian

- Working knowledge of Python, shell scripting, PHP, MySQL, Java, JavaScript, CSS and Apache HTTP Server
- Proficient in Adobe Creative Suite

EXPERIENCE

RAYTHEON TECHNOLOGIES, Richardson, TX
Principal Cyber Engineer, April 2020 – present **Current TS/SCI with CI Poly (SSBI dated 12/06/2016)**
Senior Cyber Engineer II, Oct 2017 – April 2020

- 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, human users and NPEs
    - Architected, implemented, and supported certificate management framework and key repository for large scale enterprise system of over 10,000 virtual machines eliminating risk of customer data loss due to incorrect certificates or certificate expiration
    - Developed automated LDAP deployment and audit solution to ensure baseline compliance over 70+ virtual hardware strings and networks, reducing manual workload by 80% and practically eliminating human error resulting in increased efficiency and faster product delivery across the enterprise
    - Provided tier 3 technical support for enterprise delivery, and test teams to resolve complex problems and offer solutions to meet critical customer deadlines
    - Established mentorship and training program for junior engineering staff to complete daily tasks, resulting in increased customer satisfaction and reduced response time
- Section Manager
    - Managed group of engineers of various disciplines with a focus on long term cost saving by concentrating on talent growth and increasing retention
    - Acted as front-line manager to coordinate staffing demands of programs with the company human resource supply while reducing capacity overhead
    - Conducted technical interviews for senior and entry level position candidates, recruiting top talent for Raytheon

RAYTHEON TECHNOLOGIES, Richardson, TX
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 junior engineers with the process
    - Completed design and implementation of multi-threaded data processing algorithm incorporating error correcting BCH code

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

- Real Time Data Acquisition Tool Software Development
    - 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 for geophysical spectroscopy and acoustic instruments and evaluated feasibility data with scientist team to improve answer product quality
    - Developed data processing algorithms for collected well data to produce accurate, high quality visual answer products for the customer
- Linux Virtualization and System Administration
    - Managed virtual machine platform to eliminate hardware dependence of product deployment while maintained software deployment and Linux support for all field deployed hardware as the subject matter expert
    - 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

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