Gregory Hildstrom

Senior Principal Software Development Engineer

Location: Casablanca, Morocco and Maryland, USA

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Objective

My objective is to retain a position where I am continuously intrigued and challenged, but not bored or overly stressed. Remote work options are a plus since I have family on both sides of the Atlantic.

Education and Certification

- M.S. in Information Technology Information Assurance (Cybersecurity) from University of Maryland University College; 3.833 GPA May 2013
- Certified Information Systems Security Professional (CISSP); 353312 September 2009 December 2021
- B.S. in Computer and Information Science from University of Maryland University College;
 3.838 GPA May 2006
- Studied Computer Engineering at Virginia Tech; August 1998 May 2001
- Amateur Radio License; KB3NFW 2006, KI5AWV 2018

Publications

- US Patent # 10,318,209, Secure file transfer to process (a.k.a. Secure Move), Issued 6/11/2019
- Security Enhanced Linux Multi-Level Security Performance Implications. Hildstrom, Gregory Alan. Herndon, VA. Trusted Computer Solutions, 2010.
- JHSV Analysis Engine 2006-12. Hildstrom, Gregory Alan. Navy Technical Report NSWCCD- 65-TR-2006/15. Bethesda, MD. Naval Surface Warfare Center Carderock Division, 2007.

Experience

Everfox, Herndon, VA (April 2007 - October 2025)

2021 Senior Principal Software Development Engineer

2018 Principal Software Development Engineer

2011 Senior Software Development Engineer

2009 Senior Secure Systems Engineer

2007 Secure Systems Engineer

- Circle of Excellence award winner in 2023
- US Patent # 10,318,209, Secure file transfer to process (a.k.a. Secure Move), Issued 6/11/2019
- Red Hat Enterprise Linux (RHEL) application and OS-level development
- SELinux multi-level security (MLS) and multi-category security (MCS) policy modules and associated OS configuration
- Cross Domain Solution (CDS) product development
 - Trusted Gateway System (TGS)
 - WebShield
 - SimShield

- Trusted Thin Client (TTC)
- Data filtering and validation
- Numerous prototypes and proofs of concept
- · Local LLM data filtering PoC with LM Studio and Ollama
- OpenSCAP STIG & CVE testing and remediation
- Linux Kernel module development
- · Linux VMs and containers
- Automated testing
- Build automation
- Open-source contributions to libxml2 and JALoP
- C, Rust, Git, SELinux policy, C++, QT, GTK, Python, Java, JNI, Bash, Linux Kernel, Apache HTTP Server, XML, SVN, SQL, Windows, macOS

Naval Surface Warfare Center, Bethesda, MD (June 1999 - April 2007)

2005 Owner, Hildstrom Engineering 2002 Research Scientist, George Washington University 1999 Engineering Technician, NSWCCD

- JHSV Analysis Engine data analysis software
- Rainflow fatigue damage calculation
- Linux cluster research, design, construction, and system administration
- Ship structure data analysis (ultimate strength, cyclic, model tests, and full-scale sea trials)
- High Volume Data Analysis Suite
- Unmanned vehicle wireless communications using 802.11 frequency-shifted and amplified
- Unmanned vehicle power and payload research, development, and field testing
- NSWC test facility equipment Ethernet and wireless networking
- Waveguide antenna design and construction
- Soldered, wired, and fabricated data acquisition signal junction boxes
- C, C++, MPI, VSIPL, ODBC, GTK, Java, SQL, Bash, Microchip Assembly, Linux, Windows

Personal Interests

- Trail running
- Motorcycles
- Welding (TIG, MIG, Stick)
- 3D printing
- · Ham radio
- Electromechanical projects