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Security Clearance

Top Secret//SI//TK clearance with SBI and Full Scope Polygraph

Summary of Experience

- Over 7 yrs of analytical & technical experience in the Military Intelligence Corps and defense-contracting sector.
- Over 13 yrs of computer-related experience to include, but not limited to:
 - Programming Experience: PHP/MySQL, AJAX, Javascript, HTML, CSS, XML
 - Software Experience: Anchory, Apache Server, ArcView, CEDES, Dreamweaver, GALE-Lite, GIMP, Gradine, Illustrator, Martes, MS Office, MySQL, Open Source, Oracle, Pathfinder, Photoshop, Syncsort, WebLogic Server, WRANGLER and a host of other software suites/tools.
- Knowledge of analog and digital signal analysis equipment
- SIGE 2810 & SIGE 3810 grad

Web Developer, Net Centric Capability Integration Office

LinguaLISTek, National Security Agency, Fort Meade, MD

January 2007 – Present

- Creates and maintains overall design and architecture of organization's high traffic websites, including functional structure, design and branding.
- Develops and maintains web-based applications (PHP/MySQL, AJAX) and features.
- Responsible for transforming documentation and organization-related materials into web content.
- Supports development of a custom made content management system used by over 50 websites.
- Responsible for troubleshooting web applications and streamlining existing code base.
- Manages day-to-day web presence.

Freelance Web Designer and PHP Developer (part-time)

Self Employed, Linthicum, MD

August 2006 – Present

- Develops, debugs and deploys interactive PHP/MySQL applications and scripts
- Create visually appealing, XHTML/CSS compliant web interfaces.
- Develop and optimize MySQL backends for small business customers.
- Integrates and customizes Open Source software (Wordpress, phpBB, etc).
- Provides Search Engine Optimization (SEO) services including: on-page optimization/code clean-up, keyword and competition analysis, link building and SEO campaign management
- Current development efforts include: full-season fantasy sports league management software and live sports statistics ingest

Search Quality Rater (part-time)

Google, Telecommute

December 2006 – Present

- Analyzes and researches search engine queries to determine website specific relevancy.
- Participate in special, search engine content-related projects.

ETL/Data Load Team

Dauntless, Inc, McLean, VA

April 2006 – August 2006

- Job description classified

System Engineer/Subject Matter Expert, Development Team

Paragon Dynamics, National Security Agency, Fort Meade, MD

May 2005 – March 2006

- Defined and developed a standardized data model that created a fully integrated view of TechSIGINT metadata across various data types.
- Responsible for developing software testing methodologies, plans, procedures and techniques used to test and accept component and integrated software packages.
- Defines, tracks and monitors data ingest stream
- Provides technical guidance to the software development team regarding data ingest matters

System Engineer/Subject Matter Expert, Communications Externals Data Repository & Integration Center

Paragon Dynamics, Inc. National Security Agency, Fort Meade, MD

August 2004 – May 2005

- Provides technical guidance to the software development team regarding the development of the Consolidated Exploitation Data Exchange System (CEDES), a modular, scalable, web and Internet-based system specifically designed for sustaining base and federated production operations. The CEDES has the primary mission of analysis, exploitation and production of SIGINT Mapping.
- Responsible for developing software testing methodologies, approaches and techniques to follow when testing and accepting software from the development team.
- Evaluates systems for functionality and performance issues, as well as engineering and design problems.
- Responsible for tracking, monitoring and outline of data ingest sources.
- Identifies, defines and documents system and component-level requirements.
- Provides general, technical and systems engineering support.

TechELINT Analyst, Gradine

US Army, National Security Agency, Fort Meade, MD

July 2003 – August 2004

- Performed manipulation and editing of pulse and signal level data using interactive review tools to discover how emitters are currently behaving on an intercept level as well as how groups of intercepts formed into emitters behave over time using the TechELINT Database (TED).
- Performed system acceptance testing and evaluation of software deliverables for a prototype Technical ELINT (TechELINT) system providing feedback for the contractor in areas of improvement.
- Guided the Human Interface for the above prototype providing an intuitive user interface.
- Employed appropriate techniques in order to identify and obtain accurate, detailed measurements and documentation of ELINT signals and/or their anomalies.
- Contributed to special research projects by providing analysis and validation of specific emitters.
- Operated digital equipment and software.

Intelligence Analyst, Current Operations Support Team

US Army, National Security Agency, Fort Meade, MD

July 2002 – July 2003

- Prepared special projects for key leadership within the Army Technical Control and Analysis Element on a regular basis.

- Monitored daily traffic addressed to the Army TCAE to ensure that appropriate action was taken and that all requests were satisfied.
- Provided administrative support to the COST Executive Officer.
- Responsible for preparing and distributing daily situational and status reports as well as weekly operations updates to key leadership.

ELINT Analyst, National OpELINT Center

US Army, National Security Agency, Fort Meade, MD

August 2002 – December 2002

- Performed daily analysis of ELINT data obtained by national systems to ensure identification accuracy and order of battle knowledge of non-communications signals worldwide: providing timely responses to customer requests for information, interacting with intra-agency target offices, military commands and other national level agencies.
- Performed research on Electronic Order of Battler (EOB) sites to nominate changes and addition to site inventories of respected sites.
- Researched government databases to validate and augment in-depth analysis of unidentified emissions to improve system's reports on these emissions.
- Performed basic troubleshooting on malfunctioning workstations.
- Performed Specific Emitter Identification (SEI) by correlating electronic/weapon fit to associated land-based, airborne and/or ship borne hostile platforms.

ComExt Analyst/Database Manager, Communications Externals Data Repository & Integration Center

US Army, National Security Agency, Fort Meade, MD

September 2001 – July 2002

- Performed daily all source research in support of global knowledge base development effort for radios and associated emitter equipment.
- Conducted in-depth research on high capacity digital, tropospheric and personal communication systems.
- Categorized, researched and input information into a technical database conveying the external parameters and information on communication systems as well as country association of global communication emitters.
- Maintained and ensured accuracy of the Externals Data Global Exploitation (EDGE) database.
- Contributed to the development and upkeep of the Communication External Notation (CENOT) list.
- Developed and maintained working aids that are used throughout the Intelligence community.

Education

Jan 2008 – Present	University of Maryland University College BA credits
Jan 2004 – Feb 2005	DePaul University, Foreign Policy BA credits
May 2002 – Jul 2003	American Military University BA Credits, Intelligence Studies
Oct 2001 – Jul 2004	National Cryptologic School Certificates, over 1100 hours completed (course listings below)
Jun 2002 – Aug 2002	National Cryptologic School Certificate, Fundamentals TechELINT Analysis (EA 280) Certificate, Intermediate TechELINT Analysis (EA 279)
Nov 2000 – Mar 2001	US Army Intelligence Center Certificate, Non-communication Intercept Analysis Course
Aug 1996 – Jan 2000	West Virginia University BA Credits, Political Science
Aug 1994 – Jun 1996	University High School Diploma

National Cryptologic School Courses

CK 106: Introduction to Pathfinder
EA 183: Math for SIGINT
FUSE 1100: Introduction to ELINT/Fusion Analysis
IAEC 1150: Introduction to Information Assurance
MP 119: Introduction to UNIX
MP 129: Sun Usage
OIAC 1170: Introduction to Computer Security
OIAC 2271: Operational Information Assurance for Managers
OPSE 1301: OPSEC Fundamentals
SA Level 1: Systems Administrator Level One
SATT 2350: NRO Low-earth Orbit
SIGA 2301: Basic Forward Error Correction
SIGE 2810: Fundamentals of TechELINT Analysis
SIGE 3810: Intermediate TechELINT Analysis
SIGF 3300: Introduction to Spacecraft Analysis

SIGG 1040: Communications Signals
SIGG 1041: Waveforms
SIGG 1042: Information Formatting
SIGG 1044: Channel Coding

Groups and Associations

- Military Intelligence Corps Association
- American Legion
- The Hamilton Institute for Policy Research
- International High IQ Society

Honors and Awards

- Outstanding Performance Award, Lingual Information System Technologies
- Army Achievement Medal
- National Defense Service Medal
- Good Conduct Medal
- Global War on Terrorism Service Medal
- Army Service Ribbon
- Certificate of Achievement, Director, National Security Agency
- Who's Who Among American High School Students, 1994-1996
- Sports Award, awarded for overall design and content, as well as contributions to sports.
- Art Space 2000, "2005-2006 World Web Award of Excellence" for originality, content, ease of navigation and overall appearance.
- Top Site Award, March 2005, awarded for excellence in website development and contributions to the World Wide Web.

References Available Upon Request