

KYLE D. SMEGO

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SECURITY CLEARANCE

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

SUMMARY OF EXPERIENCE

15 yrs of analytical & technical experience in the Military Intelligence Corps and defense contracting sector.

- **Languages/Technologies:** D3.js, AngularJS, Bootstrap.js, jQuery, jQueryUI, ExtJS, Node.js, Javascript, AJAX, XML, JSON, HTML5, CSS, MVC, Highcharts, Highmaps, Google Maps API, DOM, Web services, PHP, Laravel, Ruby on Rails, Perl, Python, Java, SQL
- **Applications/Environments:** MySQL, Oracle, PostgreSQL, MongoDB, Apache, Git, Subversion, XAMPP, Tomcat, WAMP, Jira, Maven, Docker, OpenStack, GIMP, Adobe Creative Suite, SyncSort, Martes, Microsoft Windows, Linux, CentOS

EDUCATION

West Virginia University, Morgantown, WV
M.S.S.E., Software Engineering (Aspirant)

University of Maryland, University College, Adelphi, MD
B.S., Computer and Information Science - 2011

National Cryptologic School, Fort Meade, MD
Certificates, over 1100 hours completed - 2000-2004
Fundamentals TechELINT Analysis - 2003
Intermediate TechELINT Analysis - 2003

US Army Intelligence Center, Fort Huachuca, AZ
Certificate, Non-communication Intercept Analysis Course - 2001

West Virginia University, Morgantown, WV
BA Credits, Political Science - 1996-2000

University High School, Morgantown, WV
High School Diploma - 1996

Sr. Software Engineer, Chiron Technology Services, Inc.

National Security Agency & National Geospatial-Intelligence Agency, Ft. Meade, MD
July 2008 - Present

Cyber Development and Integration October 2014 - present

- Led user interface team in architecture, design, and development of a next-generation Computer Network Operations (CNO) signature repository for proactively countering cyber threats.
- Led user interface team in development of an application used to visualize and analyze Border Gateway Protocol (BGP) and internet traffic spatio-temporal related data.
- Responsible for setting team development priorities, establishing timelines, and ensuring deadlines are met

Front-end Development, April 2014 - October 2014

- Pending pre publication review
- Technologies used: Angular, D3.js, Highcharts, jQuery, Moment.js, TopoJson, Bootstrap

Joint Development Initiative, January 2012 - April 2014

- Led a three-person (and later sole developer) interagency prototype development effort focusing on better visualizing relational data.
- Developed individual connected widgets that allowed users to do "better" analysis - spatial, temporal, logical, and quantitative.
- Developed a synchronized widget framework that was fully customizable.
- Integrated with REST APIs that allowed analysts to run complex algorithms against their specified data sets.
- Developed parsers to ingest KML, JSON, XML, PXML, and CSV data formats.
- Responsible for providing demos and briefings to analysts and senior leadership.

Gaming Prototypes, June 2012 - Present

- Part of a three-person prototyping team developing interactive web-based, HTML5 and JavaScript games used for teaching and enforcing learning of network-related concepts.

Web Development, July 2008 - January 2012

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

Web Developer, Lingual Information Systems Technologies

National Security Agency, Ft. Meade, MD
January 2007 - July 2008

- Designed, developed, and maintained web-based applications (PHP/MySQL, jQuery, AJAX) and features.
- Created and maintained overall design and architecture of organization's high traffic websites, including functional structure, design and branding.
- Responsible for transforming documentation and organization-related materials into web content.
- Supported development of a custom made content management system used by over 50 websites.

- Responsible for troubleshooting web applications and streamlining existing code base.
- Managed day-to-day web presence.

Freelance Web Developer, Self Employed

Linthicum, MD

August 2005 - Present

- Develops, debugs and deploys dynamic, interactive web applications using various cutting edge web technologies.
- Work on my various side projects in my spare time.

ETL/Data Load Team, Dauntless, Inc

Central Intelligence Agency, McLean, VA

April 2006 - August 2006

- Job description classified

System Engineer/Subject Matter Expert, Paragon Dynamics, Inc.

National Security Agency, Ft. Meade, MD

August 2004 - April 2006

Systems Engineer, 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

Subject Matter Expert, August 2004 - May 2005

- Provides technical guidance to the software development team regarding the development of a modular, scalable, web-based system specifically designed for 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.

Analyst, United States Army

National Security Agency, Ft. Meade, MD

August 2000 - August 2004

TechELINT Analyst, 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.
- 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, 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, 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, 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 a community database.
- Contributed to the development and upkeep of a master list.
- Developed and maintained working aids that are used throughout the Intelligence community.

Honors and Awards

- Outstanding Performance Award, Lingual Information System Technologies
- Certificate of Appreciation, Director, National Security Agency
- Certificate of Appreciation, Director, Central Intelligence Agency
- Army Achievement Medal

- National Defense Service Medal
- Good Conduct Medal
- Global War on Terrorism Service Medal
- Army Service Ribbon
- Operation Iraqi Freedom Coin, National Security Agency
- Certificate of Achievement, Director, National Security Agency
- Who's Who Among American High School Students, 1994-1996

Reference available upon request