

Technical Skills

Clearance:	Active TS/SCI Security Clearance
Languages:	Java, JavaScript, HTML, XML, CSS, SQL, C#, Python
Application Servers:	Oracle WebLogic Server, Apache Tomcat
Management Tools:	Apache Subversion (SVN), JIRA, Jenkins, ANT build, Maven, Gradel, FishEye, and Crucible
Frameworks & Technologies:	SOAP, RESTful, Jersey, jQuery, Angular 4, install4j
Platforms:	Amazon Web Services (AWS)
Operating Systems:	UNIX, Windows
Database:	Oracle, SQL

Professional Experience

Northrop Grumman – Beavercreek, OH
Software Engineer

July 2011 - Present

- Executes all phases of the software development life cycle (SDLC) for proprietary software supporting the National Air and Space Intelligence Center (NASIC) on the Systematic Architecture for Virtual Analytic Net-centric Threat Information (SAVANT) program for the Virtual Production System (VPS) software application.
- Applies Java Enterprise Edition (Java EE) technologies to the entire SDLC for VPS applications. These applications facilitate authoring and generation of both static and dynamic products which store and retrieve intelligence information from Oracle databases and present finished intelligence products to NASIC's customers. Responsibilities include Java thick client and web-based programming, including EJBs and authoring and consumption of SOAP and RESTful services deployed to an Oracle WebLogic server.
- Lead developer for major enhancements and bug fixes for VPS. Responsibilities include creating requirements, design, and cost estimate documentation; coordinating, scheduling, and leading requirements and design reviews with customers; implementing code changes; configuration management of source code using Apache Subversion (SVN); creating software test plans; deployment, testing, and installation of software onto multiple production networks at NASIC.
- Task lead for the web-based Tip-to-Tail Dashboard application which monitors the migration status of SAVANT and non-SAVANT products across networks at NASIC. The Dashboard is implemented using an Angular 4 front-end and a Java back-end implementing Jersey RESTful Web Services. Responsibilities include leadership in all phases of the SDLC, including task assignment to team members. Lead developer of the Angular front-end.
- Sole developer for implementing continuous integration and build automation in the VPS project using Jenkins. This continuous integration process uses ANT build scripts to retrieve the latest

code base from SVN; build client applications; create web (WAR) and enterprise archive files (EAR); install client applications; deploy web applications to the WebLogic development servers; and send error notifications to developers if any continuous integration processes fail.

- A key contributor in the ICD 503 accreditation of the NASIC Enterprise Controlled Interface (CI). The NASIC Enterprise CI is the cross-domain solution used at NASIC for migrating SAVANT and non-SAVANT products between classified networks (approximately 45,000 files migrated per month). Responsibilities include performing updates and submissions of documentation and NIST 800-53 security controls to NASIC, and subsequently to the 25 AF, for formal accreditation.
- Site expert for the Boeing HardwareWall® (HWW) Cross Domain Solution (CDS) which supports the NASIC Enterprise CI. Responsibilities include installations, configuration, and support of the HWW, in addition to the accreditation of the HWW.
- Develop C++ plug-ins for SOCET Geospatial eXploitation Products (GXP®). SOCET GXP is a geospatial intelligence application which utilizes imagery from satellite and aerial sources to identify, analyze, and extract ground features.
- Lead developer for the VPS installer application using install4j software which facilitates VPS installations in multiple production environments at various sites such as NASIC, the Office of Naval Intelligence (ONI), and the Marine Corps Intelligence Activity (MCIA).
- Perform code reviews with junior developers and interns using FishEye and Crucible.
- Provides thorough support and problem resolution for analysts and customers of the SAVANT software on site at NASIC as well as remote support at other sites.
- Builds and maintains successful relationships with customers, analysts, and consumers of SAVANT applications.
- Coordinates VPS software versions using the project tracking software JIRA. This includes tracking the progression of all enhancements and bug fixes, identifying and documenting software defects, and collaborating with internal personnel.

Education and Certifications

AWS Certified Solutions Architect – Associate Level May 2018

AWS Certified Developer – Associate Level May 2018

Wright State University – Dayton, OH May 2016 – April 2018

- M.S. in Computer Science
- *Studied topics:* Machine Learning, Algorithms and Data Structures, Privacy Computing

Wright State University – Dayton, OH August 2007 – June 2011

- B.S. in Management of Information Systems (MIS), Minor in Computer Science
- Graduated cum laude