**Andrew Greis**

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**Summary**

Dedicated IT Professional with extensive experience architecting, implementing and managing enterprise geospatial systems. Accomplished manager and engineer with a proven ability to build and manage successful technical teams and programs. Recognized expert in the fields of GIS, Agile Development, Architecture, and Program Management with a twenty-six plus year track record of delivering customer success.

**Key Skill Areas**

Program Management, Development Management, Systems Engineering, GIS Expertise (ESRI ArcGIS, Google Earth Enterprise, Intergraph GeoMedia, MapInfo, Autodesk), Agile Development, Database Administration (Oracle, SQL Server, PostgreSQL), Server Administration (Windows 2003-2016, Red Hat Linux), Java Development, Configuration Management, Requirements Management, Data Center Migration, Enterprise Architecture, DevOps, Digital Transformation

**Professional Accomplishments**

BlackSky (June 2018 – Present)

Senior Director, Technical Program Manager (December 2022 - Present)

Provide management and oversight of a large multi-year comprehensive tactical ISR program whereby commercial systems are leveraged to provide customized imagery and analytic services for an international Ministry of Defense. Responsible for all contract deliverables, milestone events, and engineering activities utilizing a matrix organization to satisfy all SLAs and requirements.

Technical Director, GEOINT Solutions (Januaryy 2020 - November 2022

Technical leadership across all BlackSky Geospatial programs ensuring client success through public/private partnerships with the US government. Authored white papers, documentation, and presentations.

Principal Systems Engineer (June 2018 - December 2019)

Systems engineering support and technical leadership for several BlackSky Geospatial programs. Coordinated program management, Agile development, engineering, and on-site engagement.

Blackstone Technology Group (November 2017 – June 2018)

Senior Architect

Provided technical architecture support and overall technical thought leadership to DHS EPSS, supporting missions that span the IS2O enterprise. Led support of the Cloud Migration strategy, including assessments of services and requirements, and delivery of a Cost Benefit Analysis.

INCATech (January 2017 – October 2017)

Technical Director

Technical oversight, thought leadership, solution architecture and delivery. Engaged in business development and capture activities. Provided guidance for corporate IT and infrastructure. Instituted new Agile and DevOps initiatives to modernize processes. Achieved successful CMMI Dev Level 3 certification. Responsible for program and technical management of the Department of State’s highest traffic public website.

Geocent (January 2016 – January 2017)

Principal Systems Architect

Technical Lead for a 20 person contract supporting the DHS U.S. Citizenship and Immigration Services (USCIS) Verification Division. Provided technical oversight and subject matter expertise for two DevOps teams delivering development and engineering services in an Amazon Web Services environment. Focus was on enterprise system modernization with Continuous Integration/Deployment (CI/CD).

Supported the Department of Homeland Security (DHS) Science and Technology (S&T) First Responders Group (FRG), performing architectural assessments, defining application frameworks, and providing subject matter expertise for the Flood, Real-Time Bio-Threat Awareness, and Border Situational Awareness Apex programs. Defined requirements, evaluated available technologies, established data architectures, and designed fault tolerant, highly available, performant enterprise systems within cloud environments.

Ardent Management Consulting (January 2011 – December 2015)

Director, Homeland Security Programs (June 2015 – December 2015)

Supervised and provided leadership for a team of 27 architects and developers designing and building cutting edge enterprise systems for USCIS. Provided program management, technical insight, and subject matter expertise on the Agile Architecture and Design Services contract. The main focus was to bring Agile/Lean methodologies to enterprise architecture in support of system modernization and transformation. Also managed a team of 12 Engineers providing mapping, development, and GIS analysis support to DHS Customs and Border Protection (CBP) on a staff augmentation contract.

Director (Maui Software Development Center), Homeland Security Programs (August 2014 – June 2015)

Managed a team of 12 engineers building geospatial systems for various agencies within the Department of Homeland Security providing technical insight and system integration expertise. Had daily exposure to the technologies, solutions, and technical staff in an Agile Scrum environment. Utilized Microsoft, ESRI,and open source software tools to design, implement, and maintain enterprise systems. The team successfully deployed three new systems under tight deadlines receiving accolades from the government and exceeding requirements.

Program Director (October 2013 - August 2014)

Reporting to the Vice President of Client Services, had overall management responsibility for six programs representing DOD, DHS, and Federal Civilian agencies and a staff of 12. Served as Product Owner and Scrum Master within the Agile Scrum development framework. Designed, built, and deployed enterprise geospatial systems and met all customer requirements proactiviely.

Director of Systems Engineering (September 2011 – October 2013)

Led the Systems Group and ensured that all company and customer systems (consisting of more than 200 virtualized server instances) were running appropriately. Migrated the infrastructure to a new data center, implemented a new help desk system, adopted virtual desktops, improved reliability, and implemented service levels to ensure 24/7 availability of all systems across the enterprise for a small company with 50 employees and about $10 million annual revenue. Served as a hands-on leader of a team of 4 technologists.

Director of Client Engagements (January 2011 – October 2013)

Managed client engagements serving as the program manager, systems architect, and deployment engineer within a matrixed staffing model.Successfully deployed the first ever Windows based production system at the Social Security Administration (a geospatial incident management system), implemented an enterprise geospatial infrastructure for the Department of Justice, and implemented content management and geospatial solutions for several components of DHS.

Toyon Research Corporation (February 2005 – January 2011)

Senior Analyst/Technical Lead

Technical Lead (5 person team) for development efforts (including design, implementation, on-going support, and documentation) for a GIS Situational Awareness Application that provided incident management and Chemical, Biological, Radiological and Nuclear (CBRN) threat detection for a federal government client. Successfully implemented new processes to manage system configuration. Performed site installations with minimal down time and conducted production support activities increasing reliability and ensuring 24/7 system operation. Re-architected systems to increase availability and scalability. Technologies included Autodesk, MapInfo, Oracle, and ESRI in a Java development environment.

Lockhead Martin Corporation (July 2004 – February 2005)

*Senior GIS Systems Engineer*

Served as a GIS Developer/Analyst for the NOVEC information technology support contract. Adapted and maintained GIS applications utilizing Intergraph software providing superior support to users. Assisted in the selection of a new GIS after requirements gathering and analysis of alternatives.

Computech, Inc. (November 2002 – July 2004)

*GIS Programmer/Analyst*

Architected and developed spatially enabled web applications using MapInfo, ESRI, and Oracle software and maintained all spatial data as the database administrator. Successfully delivered high performance applications in a high stress 24/7 web environment for the Federal Communications Commission (FCC).

VISTA Technology Services, Inc. (January 1996 – October 2002)

*Managing Consultant/GIS Specialist*

Responsible for management and delivery within the GIS Practice Area (training center, development shop, and consultancy). Actively engaged in the delivery of GIS training, analysis, architecture, and development services to customers using various Geospatial technologies.

**Education**

James Madison University, Harrisonburg, VA

*Bachelors in Mathematics. Minor in History and Secondary Education*

George Washington University, Washington, DC

*Project Management and Information Systems Graduate Course work*

**Clearance**

**Top Secret with SCI (CI Polygraph)**