

JASON GEORGE

Solution Architect

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in LINKEDIN.COM/IN/JASONGGEORGE/



SUMMARY

I am a rapid learner with a high technical aptitude and proficiency in diverse systems and methods. I am also a dedicated researcher with a focus on empirical applied research. I am a team player experienced in instructing people across cultural and linguistic barriers, developing and executing complex and cooperative plans, and collecting data using unconventional means in varied environments. I lead by example and guide my work by developing a comprehensive understanding of end-user needs. I continually motivate coworkers to do their best, promoting safety, excellence and high morale.

I have extensive experience in planning and executing complex and cooperative operations between the U.S., Iraq, and other Coalition Forces such as targeted raids, Counter-Insurgency Operations, reconstruction projects, Social Welfare Programs, production of intelligence reports, and emplacement, operation, and maintenance of unattended surveillance equipment.

I personally coordinated and supervised training of the 1-23-17 Iraqi Army Intelligence Section composed of 17 personnel in information collection, processing, analysis and intelligence production and dissemination, along with fundamental computer skills. Recognized by national intelligence agency for excellence in Bilateral Human Intelligence Operations with 1-23-17 IA.



PORTFOLIO



HIGHLIGHTS

- Over 10 years' experience in Media, Transmission, and Engineering utilizing the Dalet MAM system.
- Built Spectrum News 1 Dalet system while maintaining functioning RSN/Hawaii Dalet system.
- Engineering lead for overall infrastructure design and implementation for SN1/LA Times partnership.
- Wrote VBA-based application to streamline delivery of blackouts to Cisco Live Event Controller system.
- Wrote several Windows UWP applications to drive and tally IBM Watson Closed Captioning encoders, as well as Evertz Downstream Keyers.
- Worked with IBM project team to develop raw TCP socket-based control API for Watson LCAP servers.
- Prototyped, designed, coded, and built IoT based environmental monitoring system.
- Wrote integration with Azure Video Indexer for emotion analysis, transcription, metadata, etc.
- Developed various scripts/translators in Java, Groovy, C++, C#, and Python to integrate systems from multiple vendors in 24/7 production environment.

- Architected massive high-availability systems with excellent uptime statistics.
- Published a postmortem of the counterinsurgency strategy in Iraq during 2007-2008. Article available at <https://tinyurl.com/infantry709>
- Certificate for excellence in Bilateral Human Intelligence Collection operations (2008).
- Extensive Dalet Admin module experience. Multiple Dalet Intermediate Administrator training sessions.
- Experienced with various Quantum, Evertz, Imagine, Harmonic, SpectraLogic, XenData, Telestream, ATEME, Adtec, Sony, Cisco, and Hewlett Packard systems.
- Strong vendor relationships with Dalet, Quantum, DSI, Harmonic, and Telestream.
- Cisco CCNA Routing & Switching
- SBE Certified Broadcast Networking Technician & Certified Television Operator
- Combat Communications School (VHF/GPS); Combat Communications School (HF)
- FCC ZQ License Callsign WQYB575

SOLUTION ARCHITECT

DALET DIGITAL MEDIA SYSTEMS

AUG 2021 - PRESENT

SENIOR BROADCAST ENGINEER

SPECTRUM NETWORKS

AUG 2016 - AUG 2021

Responsible for the installation and maintenance of all equipment associated with broadcast operations, distribution, and production activities. Provides technical support during productions and live events. Provides hands on engineering support including evaluation and resolution of technical issues affecting software and filebased systems. Has primary responsibility of maintaining software based broadcast and production systems including non-linear editors such as Adobe Premiere, graphics, video servers, closed captioning, near and offline file storage systems such as Quantum StorNext and SpectraLogic Archive, broadcast application servers, & the Dalet MAM System and related network infrastructure. Works with the IT department to maintain core network routing and systems associated with broadcast operations. Maintains technical plant systems including but not limited to routing switchers, video servers, monitoring systems, communication systems, & audio systems. Maintains content capture and play-out systems. Develops Audio, Video and IT Solutions and conceptual engineering design specifications that meet user requirements. Creates test plans and test systems; interfaces with users, technical services, and Engineers to implement, install, and debug these systems. Participates in operational and strategic planning, including workflow and equipment selection. Participates in the development and execution of standards and procedures. Troubleshoots equipment and recommends appropriate solutions including vendor repair, in house repair, or equipment replacement. Communicates trouble instances with vendors for support and repair. Makes decisions based on procedures and situations that may impact on-air transmission. Prepares and maintains technical records and engineering logs pertaining to equipment performance and discrepancies. Assists other engineering personnel responsible for production, transmission, & systems. Assists in the training of operations personnel.

TRANSMISSION ENGINEER

TIME WARNER CABLE SPORTS

AUG 2014 - AUG 2016

Responsible for the technical operation of transmission systems, event backhauls and coordination as well as feed records. Performs setup and operation of the transmission facility in accordance with in-house technical standards as well as the technical limits as defined by EIA RS-170A/ SMPTE 274M/SMPTE 292M guidelines and FCC RF guidelines. High volume, high-pressure environment requires coordinating multiple feeds simultaneously. Executes and coordinates inbound fiber and satellite transmission feeds to include Standard Definition, High Definition, MPEG2 and MPEG4. Communicates/coordinates with remote SNG and production vehicles, satellite NOC/TOC's, in-house staff, and third party clients on transmission related technical items and feed status. Evaluates and resolves transmission related technical issues. Sets up all communications (both intercom and IFBs) for all remotes. Operates Adtec/Cisco/Ericsson/Tandberg transmission equipment, as well as The SWITCH routing terminal for bi-directional transmission. Performs routing on Evertz High Definition routing systems. Evaluates Standard and High Definition satellite/fiber signals using spectrum analyzers, file analyzers, waveform monitors and vector scopes. Performs all required recordings using

MEDIA INGEST EDITOR
NEW YORK 1 NEWS, TIME WARNER CABLE
AUG 2009 - JUN 2014

DALET Media Management systems and KiPro machines, executes all required audio and video routing, adjusts standards, up, down, and cross-converters, and sets up all Evertz frame syncs. Maintains logs and feed information. Monitors and maintain outbound distribution feeds.

Responsible for media flow throughout the newsroom. Coordinates with assignment desk, field assets, and news, library, traffic (commercials), and creative services departments on the ingest and distribution of media and its corresponding data. Has overall responsibility for monitoring media status, availability and quality control, prioritizing media based on immediate needs. Oversees the life cycle of media content, archiving all usable media. Tunes in signals via satellite, fiber optic, Internet Protocol, and microwave communications networks.

STUDENT RESEARCHER
JOHN JAY COLLEGE
JAN 2013 - MAY 2013

Student Researcher for Investigative Psychology Research Unit (IPRU) under Dr. C. Gabrielle Salfati, linked to the John Jay College and FBI Behavioral Science Unit Collaborative Research Project.

RESEARCH ASSISTANT
JOHN JAY COLLEGE
SEP 2011 - MAY 2013

Conducted research under Dr. Shuki Cohen on psycholinguistics of terrorist propaganda, among other projects.

**INTELLIGENCE SECTION SERGEANT/MILITARY
TRANSITION TEAM ADVISOR (INTELLIGENCE)**
C/3-187 MITT, 101ST AIRBORNE DIVISION (AIR
ASSAULT)
SEP 2007 - MAY 2009

Served as an adviser/trainer/liaison between US and Iraqi intelligence, interfacing with Iraqi counterparts to screen and share intel under the auspices of the Combined HUMINT Engagement Program. Personally coordinated and supervised training of a battalion-level Iraqi Army Intelligence Section in information collection, processing, analysis and intelligence production and dissemination, along with fundamental computer skills. Planned and directed cooperative operations between the U.S., Iraq, and other Coalition Forces to facilitate security and humanitarian relief programs, developing reconstruction projects and reconciliation efforts. Responsible for intelligence preparation of the battlefield, writing of daily reports and conducting the all-source production process, developing custom products as mission requirements dictated. Leader in charge of tactical and sensitive site exploitation, collection, documentation, and processing. Regularly briefed subordinate units and senior leadership, conveying ground truth, variables in the operational environment and relevant threats, as well as analysis and assessment to inform decision-making. Responsible for the collection of biometric data using BAT and HIIDE systems as well as planning related intelligence operations. Assembled, documented, and coordinated the appropriate disposition of captured enemy intelligence information, materials, and munitions. Responsible for emplacement and monitoring of multiple unattended ground sensors, as well as field expedient methods of undetectable concealment. Developed expertise in two opposed terrorist organizations operating in the same area. Directly supported reconciliation efforts aimed at reducing favorable attitudes toward al Qaeda. Ensured protection and accountability of all classified material and systems. Executed section training in preparation for intelligence operations in the field as well as general collection and documentation training for the larger unit.

Duty MOS: 35F20

INTELLIGENCE SECTION SERGEANT
C/3-187 IN, 101ST AIRBORNE DIVISION (AIR
ASSAULT)
JUN 2007 - SEP 2008

Performs and coordinates collection management, analysis, processing, and dissemination of strategic and tactical intelligence. Assembles enemy intelligence material and information. Combines flow of intelligence information between intelligence disciplines and conducts the all-source production process. Conducts general intelligence training and performs intelligence operations within a company S2.

Duty MOS: 35F20

SQUAD LEADER

C/3-187 IN, 101ST AIRBORNE DIVISION (AIR ASSAULT)

SEP 2006 - JUN 2007

Squad leader assigned to a Air Assault Infantry Rifle Company executing combat training operations in support of Operation Iraqi Freedom; responsible for the maintenance and accountability of all squad equipment; responsible for the health, welfare, morale and professional development of nine soldiers; assists the platoon leader in planning and preparing for combat missions.

Duty MOS: 11B30

TEAM LEADER

C/3-187 IN, 101ST AIRBORNE DIVISION (AIR ASSAULT)

JUN 2006 - SEP 2006

A fighting leader who leads by personal example and helps the squad leader as required. Controls the movement of the fire team and the rate and placement of fire by leading from the front and using the proper commands and signals. Maintains accountability of soldiers and equipment. Ensures soldiers maintain the unit standards in all areas.

Duty MOS: 11B10

RADIO TELEPHONE OPERATOR

C/3-187 IN, 101ST AIRBORNE DIVISION (AIR ASSAULT)

APR 2004 - JUN 2006

Uses individual Infantry weapons; Lays field wire; performs basic communications functions and operates communication equipment; utilizes camouflage to conceal weapons and personnel; constructs minor fortifications; performs Land Navigation; performs preventive maintenance on weapons, equipment, and some vehicles; makes verbal reports; administers First Aid; operates wheeled vehicles to transport personnel, supplies, and equipment.

Duty MOS: 11B10

TRAINEE

B/2-58 IN, TRADOC

DEC 2003 - APR 2004

Received introductory training for enlisted personnel in areas of Military Science, basic combat skills, Drills and Ceremonies, First Aid, basic Marksmanship, and Physical Fitness training. Additional training completed in Alcohol and Drug Abuse awareness, rape prevention, personal health, Nuclear, Biological, and Chemical Warfare defense, introduction to Individual Tactical Techniques, Bivouacs, Small Unit Tactical Training, and Equal Opportunity.

Duty MOS: 11B10

HOST

MUNDAY'S

MAY 2003 - DEC 2003

Greeted and seated guests. Received and processed all payment methods for restaurant guest checks, courteously and efficiently. Settled all guest checks in the Point-Of-Sale system and maintained accountability for all financial transactions. Maintained complete knowledge of Point-Of-Sale and manual systems and procedures. Set up and organized work station with designated supplies, forms and resource materials; maintained cleanliness at all times. Answered restaurant telephone using proper telephone etiquette. Handled guest complaints with follow up to ensure guest satisfaction, or referred to management as appropriate. Communicated satisfactorily in English with guests/visitors, management and co-workers, to their understanding. Remained stationary at assigned post for extended periods. Performed mathematical calculations, input and accessed information in the Point-Of-Sale system, and maintained concentration and clear thought in a noisy environment with high pedestrian traffic.

PHYSICS DEPARTMENT ASSISTANT

NORTHEASTERN UNIVERSITY

JAN 2002 - JUN 2002

This person is responsible for answering questions and greeting visitors to the Physics Department by using excellent customer service skills in order to help faculty, staff, and undergraduate students by phone, email, and in- person. The successful candidate will complete other miscellaneous duties such as copy requests, book orders, course evaluations, kitchen upkeep, office equipment upkeep, and recordkeeping. Partially responsible for security of computer labs and mainframe access.

ADMISSIONS ASSISTANT

NORTHEASTERN UNIVERSITY

SEP 2001 - DEC 2001

Assist Admissions office staff in executing duties and responsibilities of the Admissions Office. Duties may include but are not limited to: filing, assisting with mailings, answering telephones, greeting students, general office duties as directed.



EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
OREGON STATE UNIVERSITY
SEP 2016 - AUG 2018

Emphasis on software engineering processes as well as clean code and testing.
Most work in C++, Python, JavaScript, and SQL.

MASTER OF ARTS IN FORENSIC PSYCHOLOGY
JOHN JAY COLLEGE OF CRIMINAL JUSTICE
AUG 2011 - MAY 2013

Dean's List (Graduate): 2011-2013

Master's Thesis: Regional Differences in Al-Qaeda Propaganda in Afghanistan and Iraq based on Video Transcripts (May 2013).

Recipient of award for Best Poster Presentation, MSRG Conference at John Jay College of Criminal Justice, 2012.

ADVANCED CERTIFICATE IN TERRORISM STUDIES
JOHN JAY COLLEGE OF CRIMINAL JUSTICE
AUG 2011 - MAY 2013

New York State Department of Education Program Code 34851

BACHELOR OF ARTS IN PSYCHOLOGY
PACE UNIVERSITY
SEP 2009 - MAY 2011

Latin Honors - Summa Cum Laude

Psi Chi - National Honor Society for Psychology

Alpha Chi - National Honor Society

Tau Sigma - National Honor Society for Transfer Students

REGENTS DIPLOMA WITH HONORS
HUNTINGTON HIGH SCHOOL
SEP 1997 - MAY 2001

AP Scholar with Honors

RAPPELLING AND ROCK CLIMBING



Graduate of Sabalauski Air Assault School, Fort Campbell, KY

TESTING INSTRUMENT DESIGN & ASSESSMENT



SOCIOCULTURAL SENSITIVITY



PUBLIC SPEAKING / BRIEFING / PRESENTATION



MEDIA EDITING & MANAGEMENT



INTERVIEWING



INTERPERSONAL SKILLS



CRITICAL THINKING & PROBLEM SOLVING



Both Real World Experience and Formal Post-Secondary Training

SATELLITE COMMUNICATIONS



HUMAN INTELLIGENCE



PHOTOSHOP



PSYCHOLOGY & HUMAN BEHAVIOR



STATISTICAL ANALYSIS



PLANNING



RESEARCH METHODS AND DESIGN



LEGAL AND REGULATORY CONSIDERATIONS



TEAM LEADERSHIP



FORENSIC PSYCHOLOGY



Empirically Focused

SCHOLARLY RESEARCH (LITERATURE REVIEW AND ANALYSIS)



MILITARY INTELLIGENCE



GEOSPATIAL INTELLIGENCE



DRAFTING (CAD)



AutoCAD

ARABIC



CONSTRUCTION



ELECTROMECHANICAL APTITUDE



ADVISOR/TRAINER



EXPERIMENTAL RESEARCH



Constructive, Quantitative, and Empirical

COUNTERINSURGENCY/COUNTERTERRORISM OPERATIONS



ROBOTICS



iRobot Packbot (Military) FIRST Robotics Collegiate Aerial Robotics Demonstaration (CARD) FIRST Tech Challenge Robot Inspector and Field Attendant FIRST Lego League Advisor

MARKSMANSHIP



OFFICE APPLICATIONS



Particularly Word, Excel, and PowerPoint

MEASUREMENT AND SIGNATURES INTELLIGENCE



PROGRAMMING



C, C++, C#, Java

WRITING



Analytical, Critical, Formal, Scientific

MANAGEMENT



RADIO COMMUNICATIONS



SOFTWARE PROFICIENCIES

Software

Commercial

SPSS

R

Minitab

Microsoft Windows 3.0 - 10

Microsoft Windows Server 2003 - 2016

Microsoft SQL Server 2012 R2, 2014

Microsoft Office 2016 and below

Word

Excel

PowerPoint

Visio

Project

AutoCAD 2016

Adobe Premiere Pro 2017, 2018

Microsoft Visual Studio 2017

Eclipse IDE

Military/LE

Distributed Common Ground System - Army (DCGS-A)

FalconView

ArcGIS

Analyst's Notebook and Axis Pro

Databases

Commercial

Lexis-Nexis
PsycInfo
JSTOR
Westlaw
Academic Search Complete
Scopus
Worldcat
Web of Science
Google Scholar
Military/LE
QueryTree and QueryTree QuickTime
Pathfinder
Combined Information Data Network Exchange (CIDNE)
Tactical Ground Reporting Network (TiGRNET)
Harmony
Buckeye and LIDAR
Equipment Systems/Software
Handheld Interagency Identity Detection Equipment (HIIDE) Series 4
Biometrics Automated Toolset
Basic Analyst's Toolkit
Scorpion UGS Software



INTEREST

(In no particular order)
Video Games
Social, Decision, and Organizational Psychology
Psychology of Terrorism
Forensic Psychology
Statistical Methods
History
Southwest Asia and North Africa (Near East/Middle East)
World War II
Rome
American History
Counterinsurgency
Astronomy
Photography
Scuba Diving
Robotics
Computer Programming

COMBAT COMMUNICATIONS - HF RADIO
HARRIS CORPORATION
DEC 2006 - PRESENT

COMBAT COMMUNICATIONS - VHF/GPS
SIGNAL CORPS, UNITED STATES ARMY
AUG 2004 - PRESENT

MASTER DRIVING INSTRUCTOR
INSTALLATION TRANSPORTATION OFFICE, FORT
CAMPBELL, KY
APR 2007 - PRESENT

AIR ASSAULT
SABALOWSKI AIR ASSAULT SCHOOL, FORT
CAMPBELL, KY
MAY 2005 - PRESENT

UNATTENDED GROUND SENSORS
INSCOM, UNITED STATES ARMY
MAY 2007 - PRESENT

COMBAT LIFESAVER
AMEDD, UNITED STATES ARMY
AUG 2005 - PRESENT

EAGLE FIRST RESPONDER
101ST AIRBORNE DIVISION, FORT CAMPBELL, KY
SEP 2005 - PRESENT

COUNTER-IED EMPLACEMENT, IED DEFEAT
JIEDDO, DEPARTMENT OF DEFENSE
JUN 2007 - PRESENT

OPEN WATER SCUBA DIVER
NAUI
MAR 2009 - PRESENT

ENRICHED AIR NITROX DIVER
NAUI
MAR 2009 - PRESENT

TACTICAL SITE EXPLOITATION
L3 MPRI KUWAIT
SEP 2007 - PRESENT

EXPERT INFANTRYMAN
USAIC, UNITED STATES ARMY
OCT 2004 - PRESENT

COMBAT INFANTRYMAN
101ST AIRBORNE DIVISION (AIR ASSAULT)
JAN 2006 - PRESENT

TACTICAL ENGAGEMENT
(101ST AIRBORNE DIVISION (AIR ASSAULT))
MAY 2007 - PRESENT

BLUE FORCE TRACKER (BFT)
UNITED STATES ARMY
JUN 2007 - PRESENT

HANDHELD INTERAGENCY IDENTITY DETECTION
EQUIPMENT (HIIDE) COURSE
INSCOM, UNITED STATES ARMY
JUN 2007 - PRESENT

BIOMETRIC AUTOMATED TOOLSET (BAT) SYSTEM
INSCOM, UNITED STATES ARMY
MAY 2007 - PRESENT

ANTITERRORISM LEVEL 1 AWARENESS
UNITED STATES ARMY
AUG 2005 - PRESENT

FACILITIES MAINTENANCE
DPW OPS, FORT CAMPBELL, KY
JUN 2005 - PRESENT

MILITARY DRIVER'S LICENSE
UNITED STATES ARMY
APR 2005 - PRESENT

FORCE PROTECTION - ANTITERRORISM
INTELLIGENCE OPERATIONS DIVISION,
DIRECTORATE OF INTELLIGENCE AND SECURITY,
UNITED STATES ARMY
JAN 2004 - PRESENT



AFFILIATIONS



