**SUMMARY**

Harvard-trained professional with expertise in Data Science, Artificial Intelligence, and Zero Trust architecture and planning. Currently enrolled in a remote MIT program focused on designing and building AI products and services. A Doctoral Candidate in Artificial Intelligence with recognized thought leadership in cloud computing. Has held Top Secret / SCI Clearance, Masters Degree (MS-IST), PMP, ITIL/F, CEA, CCNA, CCNP, CISSP, and is a Current PhD Candidate in Artificial Intelligence at Kansas State University.

**EXPERIENCE**

**Data Scientist / Artificial Intelligence Researcher | September 2015 - Present**

*Computer Specialist – GS-2210-15*

*Bureau of Land Management, Department of the Interior, Washington, DC*

* Led AI and Zero Trust planning for the Bureau of Land Management, including developing a neural network for handwriting recognition and a chatbot based on Llama 2.
* Spearheaded a government-wide initiative to catalog AI tools aligning with federal fiscal policy.
* Established the Bureau’s Data Reference Model, aligning structured data holdings with the Federal Enterprise Architecture Framework (FEAF).
* Developed Python programs for data manipulation, including an automated software inventory alignment tool adopted government-wide.
* Created a tool to identify and catalog existing scripts on the enterprise network, enhancing security and promoting script reuse.
* Authored the organization's Zero Trust Architecture and plan, leveraging ChatGPT for NIST 800-127-based requirements matrix.
* First from Bureau to attend Harvard’s Senior Executive Fellow, leadership program.

**Chief Technical Officer | September 2008 - September 2015**

*Computer Specialist – GS-2210-15*

*Bureau of Land Management, Department of the Interior, Washington, DC*

* Recognized as one of the 20 most innovative federal employees in the U.S. for an IT strategy resulting in $80M annual savings for federal agencies.
* Led data center consolidation, consolidating over 85% of the Bureau’s data centers, resulting in a $4.5M savings.
* Served as the first CTO for the Federal Cloud, defining a service catalog for cloud computing.
* Co-founder of Data.Gov, contributing to the metadata underpinnings and designing a nationwide cloud infrastructure for the Department of the Interior.
* Received outstanding performance ratings, cash awards, and completed coursework in FAC/PPM and Protégé at Stanford.

**Office of Management and Budget | February to September 2008**

*Computer Specialist – GS-2210-14*

*Executive Office of the President, Washington, DC*

*Primary Supervisor: Eric Won, Phone: 202-208-2557*

* Reviewed and recommended improvements to enterprise architectures for 13 federal agencies, including the DoD
* Wrote two white papers for OMB detailing the implications of cloud computing for Federal Agencies.
* Developed a nationwide WAN consolidation plan for the U.S. Government, identifying major vulnerabilities in the Nation’s Critical Information Infrastructure.
* Authored a refined definition for the IT Infrastructure Line of Business and documents on security and Web 2.0.
* Authored two papers on cloud computing.

**Branch Chief, Enterprise Architecture Branch, DS Bureau | October 2006 to September 2008**

*Computer Specialist – GS-2210-14*

*U. S. Department of State, Bureau of Diplomatic Security, Washington, DC*

*Supervisor: Brian Jablon, Phone: 571-345-2243*

As Branch Chief for the Bureau of Diplomatic Security’s Enterprise Architecture Branch, Mr. Stingley established the practice of Enterprise Architecture within the Bureau, achieving notable accomplishments:

* Created a fully functional Enterprise Architecture Model within 90 days, implementing OMB’s Federal Enterprise Architecture Framework and making this available enterprise wide via SharePoint.
* Conducted a risk assessment for the Bureau.
* Identified $2M in savings by establishing a group license for a COTS software package and $9M in future savings through a contract.
* Identified and documented 604 applications running in the Department of State, establishing the first Department-wide software baseline.
* Certified Enterprise Architect from the FEAC Institute with consistent Outstanding Performance Appraisals.
* Achieved PMP certification.

**Deputy Branch Chief, Software Development, Executive Secretariat | May 2006 to October 2006**

**IT Program / Project Manager, Bureau of Consular Affairs | February 2003 to October 2006**

*Computer Specialist – GS-2210-13*

*U. S. Department of State, Washington, DC*

*Primary Supervisor: Richard Martin (Retired)*

Before becoming the Deputy Branch Chief for Software Development within the Executive Secretariat, Mr. Stingley served as the Program Manager for the Passport Database and authored several policy documents for Consular Affairs and Passport Systems. Other notable achievements include:

* Established Enterprise Network Management by setting up network monitoring for the Passport network, resulting in the identification and remedy of nationwide network outages.
* Engineered and upgraded networks in each Passport Agency, achieving a performance improvement of 3600%.
* Managed and wrote Memoranda of Agreement for data-sharing arrangements with other agencies.
* Identified and documented all databases used in Consular Affairs, resulting in the first published artifacts to the Data Administration Working Group (DAWG).
* Developed and implemented an agile development methodology based on iterative development, incremental delivery, and frequent build methodologies compatible with Earned Value Management (EVM).
* Consistent Outstanding Performance Appraisals, CISSP Certification, and a cash award for a beneficial suggestion that averted a potential issue for American travelers.

**Lead Consultant | August 2000 to February 2003**

*Blue Light Technologies, Inc., Silver Spring, MD 20910*

*Supervisor: Sally Sternback (301) 585-8848*

* Served as Chief Technology Officer for multiple companies, developing and delivering N-Tier computer systems. Key achievements include:
* Designed and built network appliances for Voice over IP (VoIP) and Video over IP transmission.
* Named as an inventor on a patent for a wavelet & IP-based video-teleconferencing network appliance.
* Achieved Cisco CCNA & CCNP Certification, along with Juniper Router configuration and MPLS.

**Data Center & Network Operations Center Architect and Manager | December 1999 to August 2000**

*UUCom, Inc. (Now Defunct), Reston, VA*

*Supervisor: Rob BonGiovanni, (703) 421-4455*

Planned, designed, and assembled a state-of-the-art Data Center and Network Operations Center (NOC) for an application service provider. Responsibilities included:

* Selected, installed, and configured computing and networking systems for the Data Center & NOC.
* Trained staff in telecommunications lines maintenance, UNIX systems administration, networking, help desk operations, and Perl programming.
* Achieved full hiring, promotion, and firing authority for a team of 20+ staff members.
* On the RADB database, authorized to do administration on the backbone of the Internet.

**Lead Consultant, Network Engineer & Systems Architect | July 1997 to December 1999**

*Blue Light Technologies, Inc., Silver Spring, MD*

*Supervisor: Kurt Snyder (425) 821-5615*

* Founded and managed a successful computer consulting and services company. Key achievements include:
* Grew the company from a startup to over a million dollars in revenue within two years.
* Provided executive-level consulting, taught courses in Cisco Router configuration, and served as the primary Project Manager and Technical lead.
* Developed and delivered an enterprise-wide automation system for Goodman Holdings.

**Network Manager and Operations Manager | December 1996 to June 1997**

*CDI, Inc., Philadelphia, PA*

* Managed operations for a nationwide company of 30,000 employees across 100 offices, including the design and implementation of an enterprise network. Achievements include:
* Planned, designed and implemented a Frame-Relay Wide Area Network (WAN) to all offices.
* Conducted security audits and developed corporate IT security and firewall strategies.
* Implemented a work-order and Configuration Management system using MS-Access.

**Network Manager & BPR/DPR Engineer | December 1995 to December 1996**

*Pep Boys, Inc., Philadelphia, PA*

Managed the network and staff overseeing a 1500+ node LAN. Key accomplishments include:

* Added three new networks per week
* Redesigned the corporate network infrastructure to provide secure Internet connectivity.
* Migrated the WAN from point-to-point circuits to Frame-Relay, resulting in significant cost savings.
* Demonstrated a satellite-based video conferencing system for nationwide store monitoring.

**Network Engineer and Security Consultant | September to December 1995**

*PenCom at the Philadelphia Stock Exchange, Philadelphia, PA*

* Conducted a security audit and developed, tested, and installed a firewall for a company trading on the Philadelphia Stock Exchange.

**Computer Specialist and Network Administrator, GS-0334-14 | December 1989 to August 1995**

*National Weather Service, NOAA, Silver Spring, MD*

* Put the National Weather Service on the Internet
* Developed a global emergency management system for the United Nations, Department of Humanitarian Affairs (Project IERRIS).
* Built Speech Synthesis systems and wrote the RFP for the Weather Radio’s Speech Synthesis system.
* Prototyped Human Computer Interface (HCI) devices to include tactile gloves, virtual reality (VR) headsets, augmented reality headsets.
* Created a PC based, IP based, video teleconferencing system (VTC) (CUSeeMe)
* Developed the Simple Time Protocol (STP) which is distributed as part of embedded Linux

**Northern Virginia Community College – Adjunct Professor | June 1991 – December 1993**

*Woodbridge VA*

Wrote and taught a course in UNIX. This included modifying a version of UNIX Ver5 to boot from a 5.25” floppy disk and then to go multi-user by adding files on a second floppy disk.

**Lead PC Programmer, Army Operations Center, GS-0334-12 | August 1988 to August 1989**

*The Pentagon, Arlington VA*

Developed classified systems for the Federal Government.

**EDUCATION**

*Massachusetts Institute of Technology, 2023*

* Designing and Building AI Products and Services

*Kansas State University*

* PhD Coursework in Artificial Intelligence

*Harvard, Kennedy School, 2019*

* Senion Executive Fellow

*University of Maryland, Baltimore Campus*

* PhD Coursework in Artificial Intelligence

*The George Washington University, Washington, DC, 1994*

* M.S., Information Systems
* GPA: 3.9

*Slippery Rock State College, Slippery Rock, Pennsylvania, 1977-1981*

* B.A., Geology and Meteorology

*Northern Virginia Community College, Woodbridge, Virginia, 1987-1990*

* 30 Semester Hours, Computer Science and Electronics
* GPA: 4.0

**CERTIFICATIONS**

* PMP-2007
* CEA - 2007
* CISSP - 2005
* Cisco CCNP - 2002
* Cisco CCNA - 2001
* Juniper Router Configuration and Certification – 2001

**HONORS, AWARDS, MEMBERSHIPS**

* Editor, Journal of the American Medical Informatics Association (JAMIA)
* Tech BISNOW Award for Most Innovative in Government 2015
* Multiple Copyrighted Publications at Library of Congress (2008 - 2017)
* Patent on Wavelet Based Teleconferencing Network Appliance - 2000 & 2001
* Recipient of Society of Logistic Engineers Merit Scholarship (1991, 1992)
* Recipient of Phi Theta Kappa Merit Scholarship - 1989
* Adjunct Professor at Northern Virginia Community College - Developed and taught a course on UNIX
* Publications include: "Internet-Based Emergency Management" (8/94 issue of "Stop Disaster," published by U.N.), PC-based Virtual Reality Systems published in VRASP Journal