

Jonathan Tudor

Application & Cloud Transformation: Cloud Automation Architect at GE Aviation

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Summary

I am a motivated IT professional with a focus on leading with technology to enable and transform business. I am currently a Cloud Automation Architect but my background includes ten IT related roles, nine with GE Aviation, covering a broad spectrum of including cloud, big data, security, networking, compliance, data warehousing, supply chain operations, engineering IT, business intelligence and analytics. Additionally, I have been involved with multiple professional and student organizations and am currently the Vice President of the GE Aviation Early Career Professionals Organization (ECPO), the largest young professional group in Cincinnati, Ohio. I graduated from Miami University in 2012 with a Magna Cum Laude BS Business Degree with honors and am a 2014 graduate of the GE Information Technology Leadership Program (ITLP). My current primary interests are in cloud, big data technologies and leadership. Feel free reach out to discuss business, technology, cloud or big data.

Experience

Application & Cloud Transformation: Cloud Automation Architect at GE Aviation

March 2015 - Present (4 months)

Early Career Professional Organization (ECPO): Vice President at GE Aviation

January 2015 - Present (6 months)

I am currently serving as the Vice President for the Early Career Professionals Organization (ECPO) within GE Aviation. ECPO is an affinity group started by young professionals and executive HR sponsorship at GE Aviation to help create a community for professionals 0-5 years into their careers. The focus areas of the group include professional development, community service, employee engagement, social activities and international growth. As Vice President I set the strategy of the Executive Board to meet objectives for both our constituency and GE Aviation. This includes setting strategy and ensuring execution for local, global and cross-business chapter growth, setting and negotiating the budget with our executive sponsors, selecting big swings and initiatives to pursue and providing quarterly updates to our executive leadership.

GE Volunteers Executive Council Web Master at GE Aviation

September 2013 - Present (1 year 10 months)

I am currently serving as the web master for the GE Volunteers Executive Council at GE Aviation. This council funds and supports all GE Aviation volunteer activities globally. I am responsible for managing all web based components of the council including websites and workflows and also coordinate monthly affinity group presentations to the council. Through this role I am also given the opportunity to volunteer for many organizations that GE Aviation partners with.

Digital Data Engineering: Big Data Architect at GE Aviation

August 2014 - March 2015 (8 months)

Led and managed Big Data Integrations and Engineering team; establishing 60 ELT jobs for loading 120 tables that included all data in the first GE production data lake, enabling \$250 million in cost productivity savings. Drove the migration of ELT for jet engine big data (Continuous Engine Operational Data, Full Flight Data, Engine Monitoring Unit, Asset Profile Management and Flight Inventory) into Talend, producing 10x improvement in ingestion speed vs. previous implementation. Operationalized the Big Data Integrations and Engineering team, reducing average job development time by 10X, building a 24x7 support model and creating standardized engagement process. Led execution of proof of concept, sourcing and new technology introduction of start-up company product, SourceThought C4, to enable industry first data science as a service capabilities through big data engineering, data profiling and machine learning.

Determined business need and requirements for data virtualization and subsequently analyzed multiple vendor solutions; selecting best of breed vendor and implementing non-prod use cases. Acted as the 2014 GE Aviation ITLP class rep and as a Miami University ITLP recruiter and interviewer. Attended and passed multiple big data training and seminars including MIT's GE MOOC offering of "Tackling the Challenges of Big Data".

The Greater Cincinnati ISACA Chapter: Academic Relations Coordinator/Social Media Coordinator at Information Systems Auditing and Control Association (ISACA) Greater Cincinnati Chapter

June 2014 - February 2015 (9 months)

I served a term as the Academic Relations Coordinator/Social Media Coordinator on the Executive Board of the ISACA Greater Cincinnati Chapter, a local non-profit chapter that is part of the larger ISACA organization. In this role I am responsible for interact with colleges and universities in the Greater Cincinnati area to speak to students about ISACA and careers in IT. I am also responsible for carrying out the chapters social media strategy.

Early Career Professionals Organization (ECPO): Communications Chair at GE Aviation

January 2013 - December 2014 (2 years)

I served two terms as Communications Chair for the Early Career Professionals Organization (ECPO) within GE Aviation. ECPO is an affinity group started by young professionals and executive HR sponsorship at GE Aviation to help create a community for professionals 0-5 years into their careers. The focus areas of the group include professional development, community service, employee engagement, social activities and international growth. As Communications Chair, I manage all communication to our 1,200 members through e-mails, calendar events, social media, surveys, polls, videos, wikis, business cards and websites. Additionally, I facilitate communication with other organizations who wish to work with ECPO, help set the the ECPO strategy and direction and provide quarterly updates to our executive sponsorship.

Information Technology Leadership Program (ITLP) at GE Aviation

July 2012 - September 2014 (2 years 3 months)

The Information Technology Leadership Program (ITLP) is a two year leadership program at General Electric. The program includes four six month rotations in various information technology positions within GE and twelve weeks of training, including three weeks outside the US.

ITLP Rotation Four: Aviation IT Compliance: Compliance Analytics Project Manager at GE Aviation
March 2014 - August 2014 (6 months)

Drove Compliance Analytics project to operationalize and simplify IT compliance reporting and remediation for the Aviation IT organization. Led Spotfire development team using an agile project methodology and Fastworks approach consisting of two week long sprints from development to production. Developed data and reporting solutions to user stories spanning a broad group of stakeholders consisting of compliance leaders, export control focals, CIOs and compliance team members. Executed audit and review of Industrial Internet, big data and full flight data risks within GE Aviation. Evaluated and created recommendations for new GRC tool solutions for IT audit and assessment processes.

The Greater Cincinnati ISACA Chapter: Treasurer at Information Systems Auditing and Control Association (ISACA) Greater Cincinnati Chapter

May 2012 - May 2014 (2 years 1 month)

I served a two year term as Treasurer on the Executive Board of the ISACA Greater Cincinnati Chapter, a local non-profit chapter that is part of the larger ISACA organization. I am responsible for managing organizational accounts, assets, income and expenses, setting the chapter budget, creating monthly financial statements, coordinating internal audits and completing chapter tax reporting annually.

ITLP Rotation Three: Aviation Systems Engineering: Data Warehouse Project Manager at GE Aviation

September 2013 - February 2014 (6 months)

Led Aviation Systems Engineering Data Warehouse project from initiation through requirements, analysis and design. Drove value through creation of one Systems Engineering data strategy that connected four separate engineering lifecycle tools over ten global instances in the US and UK. Created estimated impact of this project was 35,000 hour reduction in time spent reporting across 1,000 engineering projects resulting in \$4.2 million of savings annually. Solved business and technology problems involving large, cross-functional stakeholder groups, export control regulations in two countries and a fast changing ambiguous business intelligence tool environment. Served as ITLP Compliance Focal during this role. Acted as a liaison between Aviation IT Compliance team and Compliance Leaders Council and Aviation ITLP program. Utilized innovative gamification approach to increase compliance awareness of ITLP program members.

ITLP Rotation Two - Supply Chain IT Fulfillment and Logistics: WMS Project Manager and Process Lead at GE Aviation

March 2013 - August 2013 (6 months)

Led as project manager in high risk/high reward upgrade of 120 Warehouse Management System (WMS) AppWorx transaction processes. Processes supported warehouse operations to receive, store and ship \$50 to \$75 million of GE Aviation military and commercial spare jet engine parts daily. Other key

improvements included 20% environment simplification, enhanced IT security and improved support processes for critical shipping operations. Led process redesign to improve warehouse outbound shipping operations for military spare and kit jet engine parts as part of WMS MOVE 10 upgrade. Worked closely with twenty plus functional business and IT leaders to gain stakeholder agreement on new process to be implemented in early 2014. The new process supports \$1.6 billion annually in shipping and significantly reduces inventory waste, improves shipping cycle time and removes multiple pain points for functional users. Completed Lean Six Sigma Greenbelt project by improving document generation cycle time for warehouse outbound shipping operations. Improvements were made through consolidation of Oracle database queries and use of parallel processing. Document generation times were significantly reduced causing \$87 thousand in annual variable cost savings. Served as Aviation ITLP Staff Meeting Coordinator during this role. Responsibilities included scheduling bi-weekly global meetings for all Aviation ITLP members and sourcing content for meetings. Content included program updates, professional development round tables, ITLP member bios, and emerging technology presentations.

ITLP Rotation One - Network Design and Build: WAN Standardization Program Manager at GE Aviation

August 2012 - February 2013 (7 months)

Led 10 person team as program manager for the migration of 40,000 users to GE's Next Generation Network to provide enhanced network performance, reliability and scalability for future business growth * Developed new Linux network management tool that discovered \$3.5 million annual savings based on circuit provider switching costs * Performed wireless client QFD analysis for end user connectivity to export control data * Implemented new router technology into GE network core via new technology introduction process * Created new curriculum for ITLP network technology lab
1 recommendation available upon request

Undergraduate Assistant - MIS 305 - IT Security and Audit at Miami University

January 2012 - May 2012 (5 months)

Responsible for aiding professor, Jeffrey Merhout, in managing course activities including providing advice and assistance to students for research projects, aiding with curriculum creation and materials, reviewing possible course text books, performing grading functions and connecting course content to Miami University ISACA chapter to extend learning opportunities.

Executive Board - President at Information Systems Auditing and Control Association (ISACA) Miami University Chapter

April 2011 - April 2012 (1 year 1 month)

Led chapter and six person executive team as primary decision maker, communicator, coordinator and external figurehead * Increased number of organizational events by 100% and active membership by 50% in one year time frame * Grew chapter to become recognized as exemplary student chapter by international ISACA organization

Chief Information Officer at Miami Business Consulting (MBC)

January 2011 - January 2012 (1 year 1 month)

Led all internal information technology for MBC. This included developing a new cloud based content management system for communicating project information to clients and executive board members. Also acted as primary knowledge source for all consulting projects involving information technology.

Webmaster at Miami Business Consulting (MBC)

January 2010 - January 2012 (2 years 1 month)

Improved and maintained MBC website. Also acted a central knowledge resource for all consulting website development projects.

IMLP Intern - Network Operations Team: Network Configuration Variance Initiative Champion at GE Aviation

May 2011 - August 2011 (4 months)

Created and executed new analysis process for 156,000 configuration parameters within GE Aviation and Energy * Initiated charters for remediation projects and managed external vendor work on corrective actions * Performed network operations incidents on-call rotation within customer service level agreements * Acted as focal of the IMLP Intern Technology Committee

Executive Board - VP of Technology at Information Systems Auditing and Control Association (ISACA) Miami University Chapter

April 2009 - April 2011 (2 years 1 month)

Acted as the VP of Technology for the ISACA chapter at Miami University. I was responsible for organizational technology needs and listserv management.

IMLP Intern - Lean Six Sigma Team: Design Build Run Database Project Manager at GE Aviation

May 2010 - August 2010 (4 months)

Implemented a specialized business database process from inception to a fully functional system within twelve weeks * Developed project charter, cost-benefit analysis, justification to IT leadership and contingency plan * Led a project team, worked with IT specialists and interacted with support functions in England and India * Volunteered to function as IMLP Intern Staff Meeting Coordinator for weekly meetings

VP of Communications at Miami Business Consulting (MBC)

January 2009 - January 2010 (1 year 1 month)

Served as VP of Communications for MBC. Managed all inter-organizational communications.

IMLP Intern - Information Assurance Team: MozyPro Remote Backup Pilot and Change Leader at GE Aviation

May 2009 - August 2009 (4 months)

Piloted use of MozyPro remote back-up software and persuaded 200 member legal team to utilize going forward * Managed data flow for the Records & Information Management process involving 16,000 employees * Developed international and cultural understanding while working with Indian, English and Turkish team members * Served as focal of the IMLP Intern Professional Development Committee

Student Team Manager - Headquarters Relocation Team - IT Department at New Page Corporation

June 2007 - August 2007 (3 months)

Led student team relocation of corporate technology systems to new office complex * Performed installation, programming and testing of network components, computers and communication systems * Secured \$10,000 and networking equipment donation to high school IT development program

Projects

Lean Six Sigma Greenbelt Project: GE Aviation Warehouse Shipping Operations

July 2013 to Present

Members:Jonathan Tudor

Completed Lean Six Sigma Greenbelt project by improving document generation cycle time for warehouse outbound shipping operations. Improvements were made through consolidation of Oracle database queries and use of parallel processing. Document generation times were significantly reduced causing \$87 thousand in annual variable cost savings.

Digitize the Supply Chain QMI

October 2013 to February 2014

Members:Jonathan Tudor, Sean Nunley

Led a team of ten in the first GE Aviation ITLP and OMLP cross-functional project to digitize the supply chain QMI reporting process. This project took a highly manual Excel reporting process across 70 supply chain sites and automated the process using workflows, an Oracle database and Spotfire business intelligence reporting.

Aviation Leadership Meeting Website

November 2012 to Present

Members:Jonathan Tudor, John Crawford, Andrew Urrutia, Sean Nunley, Andrew Hoerst

Developed new Aviation Leadership Meeting website via WordPress tools and technology. The website was used as a communication medium between GE Aviation leadership and 30,000 Ge employees to help drive important messages delivered during the Aviation Leadership meeting held in January 2013.

GE Jet Engine Simulation

August 2011 to December 2011

Members:Jonathan Tudor

Created interactive 3D GE jet engine simulation and training program using EON Reality software. Allowed users to visual explore various parts of the engine and read associated information.

FSB Scheduler

January 2012 to May 2012

Members:Jonathan Tudor, Andrew Virata, Yipeng Ao, Njoya Wahinya

Project Manager for FSB Scheduler prototype course scheduling system for the Farmer School of Business. Responsible for analyzing student needs in scheduling, innovating new methods to meet these

needs, developing technical design, programming during implementation, creating project documentation, managing project scope, schedule, budget and quality and communicating with project stakeholders.

Mobile Inventory Management System

January 2011 to May 2011

Members:Jonathan Tudor, Andrew Hoerst, Joe Poyma, Josh Redden

Developed Mobile version of web interface inventory management system using JQUERY Mobile. Allowed for mobile updating of inventory numbers and items.

Echelon Management Website

March 2011 to March 2011

Members:Jonathan Tudor

Developed new interactive flash based business website for Echelon Management in 24 hour time period.

Worked directly with business owner to meet multiple business needs. Also integrated content management system allowing for easy updating of website by client.

Honors and Awards

2014 GE Aviation ITLP Class Rep

GE Aviation ITLP Program

September 2014

Selected as the 2014 ITLP Class Rep for GE Aviation ITLP. As part of this honor/role I get to be a mentor for current GE Aviation ITLPs to provide advice and help them build there careers.

ITLP 400: Security and Controllershship MVP

GE ITLP Program

June 2014

Received one of three MVP awards (out of 150 ITLP students) for the ITLP curriculum course ITLP 400: Security and Controllershship.

Aviation ITLP Chief Simplification Officer Award

GE Aviation ITLP Program

September 2013

Honored with the inaugural Aviation ITLP Chief Simplification Officer award for my efforts to simplify GE Aviation. The award was given based on efforts related to the four below projects. - Erlanger/CPLC shipping documentation printing process cycle time reduction - Process redesign of the outbound shipping kitting process for jet engine spare parts - Outbound shipping operations Appworx process reduction - Leadership in the ECPO GEOS All-In Initiative

Aviation ITLP Compliance Award

GE Aviation ITLP Program

September 2013

Received award for efforts related to significant improvement of ITLP member compliance knowledge as the Aviation ITLP Compliance Focal. Implemented the first annual Compliance Cup via new gamification strategies to build engagement and learning.

GE 2011 Information Management Leadership Program Intern Honors Award

GE IMLP Program

November 2010

Received third place award in national competition among 8,000 senior applicants for IMLP internship positions * Based on academic performance, professional impact, and applied technology innovation essay

Miami University Provost Award Nomination

Miami University

April 2011

One of forty senior students nominated because of their positive impact on the academic climate of Miami University * Joint nomination by the Business Honors program and the MIS department

Induction Into Beta Gamma Sigma Honors Society

Beta Gamma Sigma

April 2010

Inducted as a top 7.5% business student.

Induction in Phi Kappa Phi Honors Society

Phi Kappa Phi

April 2010

Inducted as a top 7.5% undergraduate student.

Publications

Customer Relationship Information Technology, Internal Controls and Security (CRITICS) Framework

ISACA Journal April 2012

Authors: Jonathan Tudor, Robbie Sauerberg, Weston Smith

Created an integrated framework across IT governance, internal controls and security for realizing maximum benefits from customer relationship management systems through mitigation of business, regulatory and IT specific risks.

CRITICS Framework: A Year Later

ISACA Journal Author Blog April 2012

Authors: Jonathan Tudor

A follow up blog entry to my original CRITICS Framework article. The blog post discusses major data breaches during the last year and the effected stakeholders. Readers are urged to place a stronger focus on protecting personally identifiable information from these breaches.

Leading with Purpose to Revitalize the Information Systems Auditing and Control Association (ISACA) Chapter at Miami University

Exploring Leadership: For College Students Who Want to Make a Difference

Authors: Jonathan Tudor

Pending Publication Essay for inclusion in the upcoming book "Exploring Leadership: For College Students Who Want to Make a Difference". Discusses using purposeful leadership to help turn around the ISACA Miami University Chapter organization.

Volunteer Experience

Volunteer at Ronald McDonald House Charities of Greater Cincinnati

June 2010 - Present (5 years 1 month)

Volunteer on a semi-annually basis to cook and provide food to children and families staying at the Ronald McDonald House in Cincinnati.

Volunteer Mentor and Judge at Business Professionals of America

February 2013 - Present (2 years 5 months)

Volunteer to judge, provide feedback and mentor on information technology projects completed by high school students for the Business Professionals of America Ohio region 18.

Website Designer at FreestoreFoodbank

January 2010 - May 2010 (5 months)

On a project team that developed a new website product interface for the Cincinnati Freestore Foodbank (Cincinnati) free of charge.

Honors Freshmen Peer Mentor at Miami University

August 2009 - May 2010 (10 months)

Served as a Honors peer mentor for twelve Miami University honors freshmen, helping them transition into college.

Certifications

Tacking the Challenges of Big Data Course Certificate

Massachusetts Institute of Technology (MIT) December 2014

Crucial Conversations Training Course Certificate

VitalSmarts November 2014

Lean Six Sigma Greenbelt

GE Aviation July 2013

Global Mindset Certification

GE February 2013

Cisco Certified Network Associate

Cisco January 2008 to January 2011

Network Engineering Associate Certification

Sinclair Community College 2008

Languages

English

Czech (Foundation)

Skills & Expertise

Leadership

Six Sigma
Databases
Change Management
HTML
CSS
Microsoft Office
Comfortable working independently
Information Technology
Management
CCNA
Network Engineering Associate Certification
Global Mindset Certification
VB.NET
Oracle SQL
SQL*Plus
Microsoft Project
jQuery Mobile
JavaScript
jQuery
JSON
Visio
3D visualization
Python
Panda3D
Business Process Design
Lean IT
Business
Business Strategy
Technical Leadership
Project Management
Consulting
Financial Analysis
Financial Accounting
Return on Investment
Cost Accounting
Macroeconomics
Microeconomics
Marketing
Social Media Marketing
Operations Management
Benefit Cost Analysis
Game Development
GML
Source SDK
Research

Education

Miami University

BS in Business, Major: Management Information Systems, Minor: Interactive Media Studies (Game Studies), 2008 - 2012

Grade: Magna Cum Laude, University Honors, Business Honors: GPA = 3.87, MIS GPA = 3.93

Activities and Societies: Information Systems Auditing and Control Association Miami University Chapter, President for one year, VP of Technology for two years * Miami Business Consulting, Chief Information Officer for one year, Webmaster for two years, VP of Communications for one year * Miami University Video Game Design Club, Co-founder, Vice-President for one year * Recreational basketball for four years * Miami University Swing Dance for four years

Anglo-American University, Prague

Study Abroad, Business, 2010 - 2010

Grade: 3.94

Activities and Societies: College basketball team, Ex-patriot basketball team

Little Miami High School

2004 - 2008

Grade: Valedictorian, Weighted GPA = 5.85, Standard = 4.00

Activities and Societies: Basketball, 3 years varsity, 1 year freshmen * Business Professionals of America, two first place awards in database applications and digital video and one second place award in Cisco networking at regional competition, competed at Network Design (top twenty in US) at Nationals * Three years concert band (trumpet)

Honors and Awards

Miami University Honors, Miami University Business Honors * IMLP Honors Award recipient 2010 *

Nominated for Miami University Provost Award * Circuit IT Consortium Scholarship * Miami University MIS department Dawley Scholarship 2010 and 2011 * Northeast Cincinnati Chamber of Commerce Scholarship * Southwest Ohio Technical Student of the Year Award

Interests

Information Technology, Business, Leadership, Innovation, Finance, Emotional Intelligence, Research, Basketball, Weightlifting, Swimming, Video Games (academic, technical and cultural analysis)

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1 person has recommended Jonathan

"Ambitious and energetic - Jon is amazingly mature and business savvy so early in his career. Loves the challenge of concurrently working on many new initiatives at once. A sponge for knowledge and effective at applying what he learns in the workplace. You would not go wrong having Jon on your team!"

— **Douglas Lee, PMP**, *Program Manager - GE Network Reliability Program, CBTS*, worked directly with Jonathan at General Electric - Aviation

[Contact Jonathan on LinkedIn](#)