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TOP SKILLS

- Enterprise Transformation
- Process Improvement
- Project/ Program Management
- Business Intelligence
- Data Mining and Analytics

LANGUAGES

- Bilingual English/ German
- Comfortable in French
- Some Spanish

CERTIFICATIONS

- Six Sigma Blackbelt (Caterpillar)
- Six Sigma Greenbelt (Lockeed)
- Project Mgmt Professional (PMP®)
- Several smaller agile/ scrum

EDUCATION

- M.S. Systems Engineering, George Washington University.
- M.A. English, University of California, Davis.
- B.A./ State Exam (LMA) English and Music. Johannes-Gutenberg-University, Mainz (Germany).

TOOLS

- Minitab, SPSS, MatLab
- R, Python, JavaScript, Java MS
- Project, Jira, Wrike, ProjectLibre

Sonja H. Streuber, PMP®, SSBB
Six Sigma Blackbelt and Transformation Manager

SUMMARY

Award-winning Program Manager, Data Scientist, and Six Sigma Black Belt with 10+ years of success in getting large-scale capital and transformation projects done using techniques from waterfall to kanban. Specialize in complex workflow and systems implementations (including right-sized IT Infrastructure) and red-to-green project recoveries on a national and international scale. Experience with continuous improvement initiatives throughout various industries, and in designing Business Intelligence and Artificial Intelligence structures for well-managed data-driven decision making. Master's degrees in Systems Engineering and Humanities. Former Secret Clearance.

PROFESSIONAL EXPERIENCE

DATA/ COMPUTER SCIENTIST AND BLACKBELT, Valparaiso University, Valparaiso, IN, 08/2011-present
Teach courses in Data Science, Project Management, Six Sigma, and Cybersecurity. Developed and implemented Six Sigma Greenbelt certification program and PMO, with $500k process improvements generated in various national and international organizations (incl. health care) within first year. Managed technology strategy and major hardware and software upgrades for virtual reality lab to increase audience engagement by 100%. Directed large-scale data mining graduate projects in digital forensics and biostatistics, and led NSA Center of Excellence accreditation initiative.

PROJECT MANAGER, Northern Trust Bank, Chicago (Consulting), 05/2016–01/2017
Managed IT development and modernization projects of varying complexities for Microsoft Sharepoint group and Electronic Data Management group. Led process reengineering effort for Sharepoint project intakes, which reduced cycle time per ticket assignment by over 50%. Drove implementation of next-generation messaging middleware platform and of comprehensive database (Oracle), middleware (IBM MQ, Solace), and complete system upgrades.

PROJECT and PROGRAM MANAGER, NIPSCO, Valparaiso, IN (Consulting), 05/2015 – 05/2016
Managed engineering, materials, land, and services planning and procurement, permitting, construction oversight, and detailed forecasting/ executive reporting on major capital gas transmission and distribution projects and programs with aggressive budgets and timelines. Regionally distributed teams ranged from 5-15, with budgets up to $2m.

IT PROJECT MANAGER AND PMO SLA MANAGER, NiSource, Merrillville, IN (Consulting)08/2012 – 04/2014

Managed vendor's SLA compliance and established process framework for employee cross training. As member of IT PMO Management Team, designed and built metrics definitions, database, and reporting assets to move IT PMO from defined/ qualitatively managed to quantitatively managed. Owned risk management strategy as part of Management Methodology. Led red-to-green recoveries on capital IT projects and managed component development of multi-vendor mainframe-server-client-based Customer Information System to support gas and electric meter management, financials, and Rate Cases, for 1.5 m customers in 8 states.

RISK ANALYST, ITT Mission Systems (now Harris), Vandenberg AFB, CA, 11/2009 – 07/2011

For SLRSC Program, owned technical and business risk management process. Managed multimillion-dollar technical and business risk volume cradle-to-grave on $1.3B program with 69 projects to integrate, modernize, and maintain Eastern and Western Spacelift Ranges at Cape Canaveral and Vandenberg AFB. Routinely saved schedule and $m budget through creative mitigation planning and execution. Reduced realized risk rate from 18% to 1.45% and cost impact from $6m to $580k during first 6 months of tenure.

SENIOR PROJECT ENGINEER, Lockheed Martin, Santa Maria, CA, 08/2003-11/2009

Joined as SENIOR SOFTWARE ENGINEER in the RSAIIA Program, then promoted rapidly through a series of increasingly responsible positions based on strong financial, operating, and leadership performance. Established successful CMMI5 audit tracking & monitoring process across 39 programs. Led testing team for 50+ software and hardware packages on SBIRS GEO3 Satellite. As **RISK/ OPPORTUNITIES MANAGER** for $800m RSAIIA Program, achieved International Best Practice for CMMI5 and ISO9000 audit completion, increased risk mitigation rate from 9.25% to 65% and reduced realized risk exposure by $2.6m. Engaged 50% more site personnel in Risk identification & capture and reduced avg. risk workoff interval by 27%.

As **SENIOR SOFTWARE ENGINEER**, planned and led comprehensive technology insertion, incl. upgrades of AIX-based infrastructure, security middleware, and network fault and configuration monitoring application. Automated OSI NetExpert network installation, reducing process from 8 hours per server to 2 hours for all NetExpert servers & clients on LAN

TECHNICAL MARKETING ENGINEER, Agilent Technologies (formerly Object Systems Integrators), Folsom, CA, 07/2000-07/2003

Joined as **TECHNICAL TRAINER**, then promoted to **SENIOR TECHNICAL TRAINER** and TECHNICAL MARKETING ENGINEER based on strong technical and project-based leadership. Reduced implementation risk to $1.7 M international project by 25% through architecture-centric training of consultants. Led volunteer Training Area team to become #1 performer in introduction of Software Product Line management approach for pilot Integrated Architecture Project.