

Thomas Polchowski

CAREER OBJECTIVE

Lead the implementation of strategic IT solutions in a challenging environment, where software engineering, leadership, and business skills can contribute to an organization's success.

SKILL PROFILE

Practices and Principles: IT strategy, program and project management, service management, client management, organizational change management, budgeting and accounting, systems engineering, Agile methodologies, business process analysis, software architecture and design, software security, open source software, open standards, operations and maintenance

Technical Focus Areas: Data management, information sharing, collaboration, web-based systems, service-oriented architecture, cloud computing, social media

Key Markets: Available upon request

Recent Development Experience: Java SE/EE, PHP, HTML5, CSS3, SQL, XML, SOAP, REST, RSS/ATOM, JSON

SECURITY CLEARANCES

Available upon request

CERTIFICATIONS

PMI Program Management Professional (PgMP), Project Management Professional (PMP), Risk Management Professional (PMI-RMP)

ITIL Expert, Multiple ITIL Intermediate Certifications (SS, SD, ST, SO, CSI), ITIL Foundation

Georgetown University Change Management Advanced Practitioner (CMAP)

PMI Agile Certified Practitioner (PMI-ACP)

Scaled Agile Framework (SAFe) 4.0 Agilist

Scrum Alliance Certified ScrumMaster (CSM), Certified Scrum Product Owner (CSPO)

International Consortium for Agile Certified Professional (ICP)

Oracle/Sun Certified Enterprise Architect (OCM/JEA/SCEA 6)

Multiple Oracle/Sun Certifications (SCWCD 5, SCBCD 5, SCJD 2, OCPJP/SCJP 8)

CompTIA Security+ ce

Booz Allen Hamilton Systems Engineering Specialist

PROFESSIONAL EXPERIENCE

Senior Associate/IT Strategist

Booz Allen Hamilton

November 2004 - Present

Program and Project Management

- Served as the Booz Allen Program Manager for a government program. Provided quality and management oversight on a 30-person subcontract, and served as the Booz Allen lead for all financial, staffing, contract, and facility management. Coordinated with the prime contractor, government Program Manager, government Contracting Officer's Representative (COR), and points of contact from multiple customer accounts.
- Led the software engineering team for a government program. Worked daily with the client chief engineer, and led the successful execution of \$8M/year in projects. Managed all contractor and subcontractor staff, as well as resource allocation across the portfolio in a rapidly changing environment. Completed the significant majority of projects under budget, significantly outperforming industry expectations.
- Led a program's technology planning task area, focused on recommending IT solutions for existing and prospective customers. Developed a service catalog based on ITIL. Led and delivered studies focused on a variety of topics, including government cloud, Public Key Infrastructure (PKI), innovation, Continuity of Operations (COOP), and large service transitions.
- Co-managed a project portfolio to transition technical services within a government community. Portfolio included 14 projects over a 2-year duration, and was supported by 15 team members. Managed the standardization of project planning and execution, and provided templates, processes, governance, communications oversight, and mentorship to 8 project leads. Served in a Program Management Office (PMO) capacity to report program-level status and risks, drive integration between the projects, and assist project leads while ensuring consistency.

- Led the implementation of a data cloud pilot environment to perform research and development on government and open source “Big Data” technologies. Leveraged the environment for a Hadoop-based data cloud effort, and significantly reduced the time and cost required to implement. Served as the product owner for the pilot environment, and led strategy, customer analysis, and marketing to other government clients.
- Took a leadership role in marketing a program’s cloud services to customers, as well as contributing to corporate business development surrounding cloud capabilities. Organized to identify and articulate Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS) service offerings, aligned to the Federal Cloud Computing Strategy. Supported the team in developing marketing materials, and educated the client on cloud offerings.

Systems Engineering and Process Implementation

- Oversaw a program’s Systems Engineering Management Plan (SEMP), covering all aspects of the engineering lifecycle. Conducted process improvement activities such as introducing Agile practices, while supporting government contractual requirements. Process improvements resulted in increased efficiency and reduced time-to-market for capabilities. Maintained accountability for all software engineering technical solutions governed by the SEMP, facilitated decision-making, and supported the team through engineering review boards.
- Recognized risks and inconsistencies with configuration management activities, and took a leadership role in improving the integration between program engineering and operational disciplines under an ITIL framework. Implemented a Quality Assurance Manager role on the program, developed a quality management process, created templates, and trained engineering staff to ensure consistency. The improved processes contributed to the team’s accomplishment of releasing 300+ software deployments per year with a release success rate of over 98%.
- Designed and presented architecture recommendations while leading the technical analysis of alternatives for a system. Provided technical guidance to 5 technologists and business analysts while leading commercial and government-developed product evaluations, and presented recommendations to a diverse audience.
- Researched and analyzed numerous stakeholder organizations, IT systems, and datasets. Approached owners of systems and datasets with recommendations for integration, with the goal of improving analysis and information sharing.

Team Leadership

- Served as a “Career Manager” for the firm. Managed 47 staff members, and provided mentorship across a 160-person system delivery functional team. Spearheaded initiatives to energize team members and build advocacy for the mission and business.
- Led resource management activities, including requisition development, screening, interviewing, hiring, on-boarding, mentoring, assessing, and placing of 120+ Booz Allen and subcontractor employees. Identified and secured billable work for staff in need, and kept direct staff highly utilized. Authored 55+ team member assessments, including 10 promotions. Delegated and oversaw 30+ additional staff assessments per year.
- Co-led hiring and staffing processes for a 160-person team. Developed processes to guide requisition management, reporting, and integration with corporate recruiting. Produced metrics reports and trend analysis for senior leadership visibility, and guided approximately 15 hiring managers and 5 recruiters.
- Received Booz Allen’s Values In Practice award, the firm’s highest employee recognition, as well as several additional recognitions for performance and dedication.

Business Development, Intellectual Capital Development, and Innovation

- Led and supported business development efforts through a variety of roles, including capture manager, proposal manager, solution lead, pricing lead, and technical contributor roles. Authored technical and management aspects of 45+ proposals. Provided input into 100+ past-performance qualifications for use in other proposals within the company.
- Managed liaison efforts between the Booz Allen system delivery team and 8 market teams. Managed 5 team members with direct liaison responsibilities, and provided structure and oversight to ensure effective support to market capture, proposal, staffing, and quality assurance efforts. Managed a system delivery pipeline and presented status, opportunities, and risks to Booz Allen leadership.
- Led business capture efforts on 4 system delivery efforts supporting government clients. Authored white papers, met with clients, developed teaming partner relationships, and led overall strategic planning. Served in a supporting role to many additional business capture efforts led by Booz Allen market teams.
- Sponsored and guided a cloud migration investment with the goal of automating system deployment to Amazon Web Services (AWS), using DevOps practices. Helped the project lead secure Booz Allen investment funding. Achieved 100% automation and elastic scaling using AWS services such as Elastic Compute Cloud (EC2), Relational Database Service (RDS), and CloudFormation, as well as open source tools including Puppet and Vagrant.

- Authored numerous white papers for the firm and clients on topics including service-based information sharing, data warehousing, cross domain solutions, data management, and open source alternatives. Distributed papers to prospective clients and points of contact, demonstrating the firm's capability offerings and expertise.
- Managed initiatives within Booz Allen's Open Source Community of Practice, including the evaluation of open source alternatives to commercial software, the creation of prototypes, and the generation of white papers. Developed an intranet presence and harvested intellectual capital. Proposed research and development initiatives, and received marketing funding. Demonstrated open source viability across many capabilities, and illustrated Booz Allen's dedication to innovation and investment.
- Co-envisioned, authored, and delivered a Technology Focus Group presentation to the firm on enabling information sharing in government. Addressed multiple dimensions of information sharing challenges, including organizational, cultural, legal, financial, and technical considerations. Engaged with attendees to help apply previous information sharing successes and lessons-learned to their specific challenges.

Architecture and Technical Delivery

- Designed and developed software as part of a 7 year, \$20M initiative to augment an enterprise environment. Proposed integration strategies for analytical technologies such as a data cloud-based analytics engine, GIS, business intelligence reporting, link visualization, keyword search, predictive analysis, web service integration, and collaboration technologies.
Primary Technologies: Java EE, open source technologies, Oracle/Plumtree Portal, Oracle Database, WebLogic Server, HTML, JavaScript
- Managed and participated in the design and development of data capture software in support of a government program. Evaluated and selected technologies and frameworks, and mentored staff on best practices.
Primary Technologies: Java EE, Hibernate, Spring, Servlets, JDBC, JSF, Struts
- Led aspects of a top priority enterprise portal migration. Proposed a portal server architecture based on performance, scalability, and licensing. Designed and scripted the data migration effort, and participated in the network infrastructure design.
Primary Technologies: Oracle/Plumtree Portal, Oracle Database, WebLogic Server, SQL
- Provided technical recommendations to staff members on engineering initiatives. Researched technologies to provide appropriate thought-leadership, challenge conclusions, and promote engineering excellence in the enterprise.

Senior Software Developer

J.Brown Agency

June 2000 - October 2004

Architecture and Technical Delivery

- Coordinated information in multiple offices by implementing a transparent service-oriented distributed computing framework using an XML-RPC methodology. Programmed supplementary asynchronous queuing functionality, and ensured data integrity by adding logging and error handling features. Integrated systems residing on different platforms using diverse languages.
Primary Technologies: Java EE, ColdFusion, JDBC, Servlets, XML, SQL
- Integrated store-level retailer data into marketing databases. Developed a solution for multiple-source data ingestion, using both ETL and ELT approaches. Performed data quality management and data analytics. Extrapolated additional layers of information to simplify the user view of data, using data warehousing concepts. Proposed and developed detailed reports based on source-system information, and managed ad-hoc requests for data queries.
Primary Technologies: Crystal Reports, SQL
- Enhanced reliability and robustness of J.Brown's software by leading an initiative to migrate legacy system components to Java. Minimized impacts on users by proposing and executing interim solution integration plans.
Primary Technologies: Java EE, EJB, Servlets, Swing, SQL

Client Management

- Led the technology side of new business initiatives for several grocery clients. Proposed website concepts to promote client services and products in international markets. Presented software demonstrations to client representatives.
- Served as a liaison with parent-company Grey Global Group's technology team and worked on shared development initiatives. Advised Grey's developers regarding integration with J.Brown's financial system.

Independent Consultant

Professional Consulting and Personal Software Development

- In process of developing a mobile game using the Android platform and a cloud-based serverless API approach. Working with AWS products to implement service and storage layers. Using a simple Kanban framework to prioritize and manage user stories.
Primary Technologies: AWS (Lambda, S3, DynamoDB, API Gateway), Node.js, jQuery, DHTML, JavaScript, Bootstrap, Android Studio
- Co-designed and co-developed a digital image management system for deployment to kiosk terminals. Developed a service-oriented capability to upload remote images to a central server, allowing users to manage images online, and differentiating the application from its competition at the time.
Primary Technologies: Visual Basic .NET, ASP.NET, SQL

- Developed an approach for integrating personal devices and technologies with multiple social media platforms, including Facebook, Instagram, Twitter, YouTube, Flickr, and a personal blog. Developed a source-agnostic asynchronous data ingestion module, and plug-ins to create an event-driven architecture. Developed “glue-code” to support email inputs, integration between social media APIs such as Facebook’s Graph API, email and text alerts, authorization, and RSS aggregation. Leveraged open standards to integrate with mobile devices and email.

Primary Technologies: Java EE, RSS, ATOM, JSON, iCalendar, SMS, SMTP, IMAP, REST, RPC, OAuth 2.0

EDUCATION AND PROFESSIONAL MEMBERSHIPS

Johns Hopkins University

- Attained the degree of Masters of Science in Information and Telecommunication Systems for Business, with a 4.0/4.0 GPA.
- Attained a graduate certificate in Competitive Intelligence, with a 4.0/4.0 GPA.
- Received the Edward J. Stegman Memorial Award for Excellence in Business Scholarship.
- Led the technical approach for a 10-member capstone team in support of The Nature Conservancy (TNC). Proposed a solution to integrate the development efforts of numerous TNC field offices, with the goal of reducing the redundancy of development efforts. Received highly positive feedback and appreciation from the client based on the solution, which included social media-based collaboration, organizational change management, marketing materials, and a methodology for analyzing technical alternatives.

University of Connecticut

- Attained the degree of Bachelor of Science in Computer Science and Engineering, with Dean’s List recognitions.

Professional Memberships

- Member of Institute of Electrical and Electronics Engineers (IEEE), APM Group-International, Project Management Institute (PMI), National Defense Industrial Association (NDIA), Armed Forces Communications and Electronics Association (AFCEA), Scrum Alliance, IT Service Management Forum (itSMF), and the 451 Global Digital Infrastructure Alliance.
- Frequent attendee of various local IT-related meetups, focused on topics such as cloud computing, business intelligence, Java, startups, management, and leadership.