

## Andrew Patricio Bio



Andrew is the founder and principal consultant of Data Effectiveness Inc where he focuses on helping organizations create effective data solutions grounded in reality instead of wasting money on buzzwords.

After nearly 20 years of experience in IT and management consulting, he finally decided to take the entrepreneurial leap. Mainly to impress his kids...

Before this Andrew was the Chief Data Officer (Deputy Chief for Data Systems) at DC Public Schools for nearly six years. As the most senior technical leader, he also acted in the capacity of Chief Information Officer.

While at DCPS he increased the effectiveness of analytics and reporting by using organization goals to prioritize pragmatic, realistic solutions rather than the all too common fruitless quest for technical perfection. Of particular note was his leadership of a very successful replacement of the core Student Information System, the mission critical backbone for all data and reporting at any school district. This project took three years and over twelve million dollars (on time and under budget) and was one of the most successful implementations in DC government history.

Before DCPS Andrew spent over a decade in management and IT consulting helping companies, non-profits and government agencies with everything from project management to process improvement to hands-on coding and analysis.

A large factor of his current success came from that work and the realization that projects fail because the consultant is asking the wrong question: “what do you want?”. Asking the right question: “what problem are you trying to solve?” allows teams to take a step back and explicitly identify the problem so that pragmatic compromises can be made thoughtfully from the start instead of in a panic when projects inevitably run into budget, time, or capacity limitations.

Learn more: [www.dataeffectiveness.com](http://www.dataeffectiveness.com)

# ANDREW PATRICIO

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## PROFESSIONAL SUMMARY

- Results focused IT Management Executive with experience providing strategic vision and leadership in data effectiveness, system implementation, and technical strategy
- Champions innovation while balancing process improvement and technical development to provide effective, pragmatic, and sustainable solutions to business problems.
- Specific experience includes data effectiveness, staff supervision, budget management, application development, RFP and vendor selection, and leading high performing teams to deliver solutions that maximize return on investment
- Strong leader with demonstrated ability to build team capacity through recruiting talented resources, direct mentoring of individual team members, and continuous improvement of overall team

## PROFESSIONAL EXPERIENCE

### **FOUNDER, Data Effectiveness Inc**

**Jun 2016 to present**

Provide data strategy and infrastructure consulting to help organizations get immediate and scalable benefits from their data. Clients include HR technology startup, educational data startup, managed care org, non-profits, and local government agencies.

### **CHIEF DATA OFFICER, District of Columbia Public Schools**

**Nov 2010 to Jun 2016**

Performed functions of **CIO** and **Chief Data Officer** at major urban school district consisting of 120 schools, 49,000+ students and 6,000+ staff. DC Public Schools has a very entrepreneurial culture requiring fast-paced and creative IT support of business and education initiatives

#### Technical Leadership / System Development

- Initiated and drove project to replace aging Student Information System including all aspects of RFP creation, vendor selection, technical implementation and roll-out strategy (team size 30+). Came in **under budget with Phase one completed in less than 4 months** from vendor selection to rollout in August 2014 and phase two in June 2015. Project was recognized as one of the most successful agency-wide system implementations in DC government due to focus on end users, realistic management of project scope, strong technical leadership and close ownership of end product
- Functioned as most senior level technical resource as the School District does not employ a CIO
- Managed annual department budget of up to **\$1 million and project budgets in excess of \$12 million**
- Directly supervised staff consisting of up to 17 full-time employees and IT professionals including Director of Applications, Director of System Development, Director of Student Information System Operations, Manager of Business Intelligence, Senior Business Analysts/Project Managers, & Senior Database Administrators/Developers
- Acted as Technical Advisor for numerous application implementation projects and technical RFP's
- Provided **hands-on technical capacity** "in the trenches" when needed including rewrite of poorly performing metric dashboard (response time went from >5 mins to < 10 secs), reviews & redesign of vendor code for SIS implementation, and Javascript/Java/SQL/Perl coding as needed to meet deliverable timelines

#### Data Effectiveness

- Designed data model and led implementation of data warehouse and associated tools by working with end users to create standard reports, automating processes, and consolidating metric calculations and business rules
- Created self-service reporting tools to improve to availability of data to analytics teams within DCPS
- Implemented data quality system that significantly improved manual and time consuming data correction process by consolidating all error reporting and providing end-users with specific directions to fix errors
- Managed major project initiatives including leading cross-functional teams of up to 30 members to improve data quality, data analysis, data application, reporting and the ability to leverage data across the organization

#### Strategic Planning / Operations

- Built relationships across departments and with school-based end users to break down silos and build trust
- Restructured department to increase technical capacity and capability, while saving \$300,000 annually
- Implemented a knowledge management solution to help institutionalize policies, procedures, and business rules
- Instituted best practice policies and procedures that significantly improved app dev process by providing structure for tracking progress, QA, bug fixes, and new feature requests

**IT CONSULTANT, District of Columbia, Office of the Chief Technology Officer****Aug 2008 to Oct 2010**

Assisted DC government agencies implement business process improvements with a focus on developing workflow tracking, project tracking and data management systems.

- Conducted analysis on existing business processes and recommended improvements including advising business users on technical implementation and hands-on code development
- Directed activities of contractors and established productive working relationships with internal DC resources

**Projects**

- DCPS IMPACT Application - Turned around failing project by successfully developing and implementing educator assessment web application critical to DCPS reform effort; successful implementation led to a 99% actual response rate of successfully submitted teacher evaluations
- DCPS, Office of Special Education - Created mission critical tracking application to comply with detailed reporting requirements set by court order including designing cross-application dashboard utilizing Quickbase API, Javascript and DHTML; system was used by over 200 users in managing, documenting and responding to complaints
- DC Government Agencies – Created 100+ workflow and project management Quickbase applications with functionality ranging from simple activity tracking to complex workflow and reporting applications

**MANAGEMENT CONSULTANT ASSOCIATE, Valeocon, Inc., New York, New York****Dec 2006 to Aug 2008**

Valeocon is a management consulting firm focusing on innovation, change management and process improvement.

- Created online and desktop applications to support consulting initiatives regarding process improvement, training and Six Sigma Belt Certification utilizing Visual Basic, Perl, Java, SQL and DHTML/CSS/Javascript as appropriate
- Implemented data systems triage to successfully identify data quality improvement opportunities
- Documented processes and procedures, along with creating training materials for a financial services firm
- Created a variety of survey designs including multi-path, 360, facilitated, online & offline for various clients
- Provided metrics validation and successfully implemented Metric Dashboard for large shipping company
- Conducted business process mapping, re-engineering and implementation activities for various clients

**IT CONSULTANT, Coral Computer, Inc., Fairfax, Virginia****Sep 1999 to Aug 2008**

Independent IT Consultant providing application development and support to various clients utilizing expert skills in Quickbase and coding skills over a broad range of languages primarily Perl, C, C++, SQL, Visual Basic and Java.

- Developed Quickbase project, time and workflow management tool which integrated with QuickBooks for accounting reporting, and consultant performance purposes;
- Led team efforts in successfully developing Securities Portfolio Reporting System which reverse engineered existing reports and created the requirements for new Portfolio Tracking System
- Developed web based survey applications to support management consulting activities
- Developed AJAX web application to display statistical data obtained from survey results database
- Developed Six Sigma Display Board using Business Objects and Teradata

**SENIOR BUSINESS ANALYST / PROJECT MANAGER, Freddie Mac, Mclean, Virginia****Oct 2005 to Dec 2006**

- Created data models and data flow diagrams, as well as mapping key business processes and touchpoints against systems and organizational groups; presented key findings to client executives at the Vice President level and above

**CO-FOUNDER, Shamba Group, Inc., Fairfax, Virginia****Feb 2004 to Jul 2007**

- Responsible for all aspects of professional recruiting firm including accounting, operations and client management

Additional employment includes various electrical engineering RF and digital design positions prior to September 1999

**TECHNICAL SKILLSET**

- Advanced SQL, Javascript, Perl, C, Quickbase, Data Modeling
- Intermediate Java, R, PHP, VB, SSIS, SSRS, Salesforce
- Familiar STATA, Power Bi, Alteryx, AWS, Business Objects, Tableau, Qlik, Hadoop, Spark, node, angular

**EDUCATION**

- Bachelor of Science, Electrical Engineering, University of Illinois, Champaign-Urbana, Illinois

**SOCIAL MEDIA LINKS:** <https://www.linkedin.com/in/andrewpatricio1> <https://twitter.com/dataeffectively>