

John C.E. Johnson, PMP CSM

9250 Bendix Road N., Suite 620, Columbia MD 21045
(412).608.2654•john.johnson@softekenterprises.com

Current Position

Softek Enterprises LLC

Columbia, MD

John Johnson serves as the Chief Technology Officer (CTO) for Softek Enterprises LLC. He leads marketing and business development to create new strategic partnerships; and manages new product innovation by applying lean/agile principles to design optimal solutions for Softek's clients. Softek is a Minority-Owned Small Business providing technology solutions to government clients since 2007. Softek specializes in evolving business systems using Agile, DevOps, and Cloud technologies to deliver working solutions faster for your most critical IT challenges.

Chief Technology Officer

March 2017 - Present

- *Custom Applications* - Softek modernized the Social Security Administration (SSA) disability claims process using a web platform; and built custom implementations for state agencies
- *Cloud* - Softek helped the National Archives transition electronic record processing to AWS to manage petabytes of data; while linking to critical systems for legal transfer of agency records.
- *DevOps* - Softek built a branch-wide DevOps platform for Center of Medicaid Services (CMS); lowering costs by consolidated development, automated testing, and streamline deployments
- *Big Data*- Softek supported migrating SSA payment reporting on mainframe servers to Hadoop services, replacing 50k lines of archaic code to add speed and maintainability.
- *Business Intelligence* - Softek led development of a "Google-Like" search platform for NARA's electronic records; enabling discovery of petabytes of records (PDF, AVI, Email, etc.)
- *Agile Development* - Softek coached CMS and its Vendors to adopt Agile Development; building a DevOps and collaboration platform for faster reviews, development, & deployments

Second Nature Software LLC

Annandale, VA

Second Nature Software is a tech startup in the DC metro area building a data preparation tool for researchers called Rocketfish. The vision of Rocketfish is to increase the rate of discovery in Life Science research through faster, better data preparation that enables collaboration and reproducible research. Rocketfish is faster and scales larger than Excel, while being easier and more transparent than scripting languages like R and Python.

Co-Founder

January 2016 - Present

- Lead marketing, sales, and requirements for the data preparation tool, *Rocketfish*
- Acquired trials with over seven research organizations consisting of over 200 active users including two institutes at NIH (NCI, NIAID), University of Maryland, and Rutgers University
- Manage finances, product, and portfolio development strategy to deliver working minimum viable products (MVPs) for early customer adoption
- Led customer development processes, including industry structure analysis, business process mapping, customer type-job alignment, and archetypes
- Designed startup paradigm leveraging state-of-the-art practice in entrepreneurship derived from Lean Startup, Customer Development, and Agile Development practices

Previous Experience

IBM

Herndon, VA

Senior Agile Project Manager leading multiple development teams using agile practices to transform National Archives Records Administration (NARA) business processes, technology, and strategy. This project won Project of the Year for Project Management across all IBM projects worldwide in 2015.

Senior Agile Project Manager

December 2014 - December 2015

- Led strategic consulting to forecast and defend budgets for cutting edge big data search applications to support over 100 petabytes of electronic records expected by 2020
- Developed white papers and authored technical proposals to win over \$8M for developing cloud-based applications to process and access government records
- Screened, interviewed and trained agile teams of business analysts, developers and testers, conducting over 100 interviews and hiring over 20 team members.
- Tailored agile practices to refactor existing NARA production systems serving over 500 government agencies to enable integration new cloud applications through COTS upgrades
- Facilitated and led teams to design, prototype and implement features such as: virtualized work spaces, cloud/parallel processing (COTS, OSS, customized tools), elastic storage, computing, and search to achieve better resource and information management.

Booz Allen Hamilton

Washington, DC

Project manager for the three primary software products that support the award-winning Navy Shore Energy Program at Commander Naval Installations Command (CNIC) HQ.

Associate

July, 2012 – November 2014

- Project Manager, applying Scrum-Agile processes to develop decision support software for Navy's Shore Energy program; enabling \$400M in annual energy investments
- Leading team of analysts and software developers to create and support tools for the Navy's energy program diagnostics, portfolio management, and long-range planning
- Engaging Navy government and military HQ stakeholders to improve business processes for information systems allocating \$1.7B annually in facility energy costs

Senior Consultant

August, 2010 – June 2012

- Performed project management and metric development for asset, stakeholder, and risk assessments of Marine Forces Reserve's multi-billion dollar facility portfolio
- Managed and integrated efforts of 24 consultants across engineering, policy, & software
- Designed and managed development of a predictive manpower model to inform recruiting requirements and Force Structure allocation for Marine Reserves
- Technical lead on geographic information systems integration and metric development

Consultant

August 2009 – July 2010

- Led requirements gathering and system design for a web-based decision support tool for the Navy's \$118 billion infrastructure portfolio
- Designed business process for right-sizing the Office of Sealift Support's fleet

Ricondo & Associates, Inc.

Alexandria, VA

Airport Consultant

June 2008 – October 2008

- Performed demand modeling and level of service assessments for LAX transit
- Performed operator-gate scheduling assessment for Dulles International Airport

Institute for Systems Research

College Park, MD

Researcher

May 2007 – July 2007

- Developed an action-based concurrent behavioral model of the Panama Canal
- Published research paper, International Conference on Systems Engineering, 2008

College Works Painting

Chevy Chase, MD

Independent Branch Operator

February 2005 – September 2005

- Started and managed company branch delivering over \$20,000 per month of revenue
- Maryland Manager of the Year, 2005, Nominee

Education

| | |
|-------------------------------------------------------------------------------------------|-------------|
| University of Maryland, College Park, M.E., <i>Systems Engineering</i> | 2015 |
| Penn State University, Graduate Certificate, <i>Geographic Information Systems</i> | 2011 |
| University of Maryland, College Park B.S., <i>Civil Engineering</i> | 2009 |

Publications

A Process Modeling Framework for Formal Validation of Panama Canal System Operations
International Conference On Systems Engineering (INCOSE), November 4, 2008, Netherlands.
Authors: John Johnson, Dr. Mark Austin

Near-Site Agile: Scaling Agile with Real-World Constraints. 2016 Project Management Symposium, 2016 May 12, University of Maryland, College Park, Maryland. Author: John C. E. Johnson, PMP. URL: http://pmsymposium.umd.edu/pm2018/wp-content/uploads/sites/6/2015/07/2016_UMD_PM_Symposium_Papers.pdf

Lean or Agile: Lessons Learned from a Tech Startup. 2017 Project Management Symposium, 2017 May 4, University of Maryland, College Park, Maryland. Author: John C. E. Johnson, PMP CSM URL: http://pmsymposium.umd.edu/pm2017/wp-content/uploads/sites/3/2015/07/2017_PM_Symposium_Papers.pdf

Earned Capabilities Management: A new approach to Agile Governance, building on EVM best practices. IPM World 2017, 2017 October 30, Bethesda, Maryland. Authors: John C. E. Johnson and Robin Pulverenti.