

Joseph Castle

Inquisitive about the product and process of open source software.

10021 Prestwich Terrace
Ijamsville, MD 21754
(240) 328-5764
josephrcastle@gmail.com

EXPERIENCE

U.S. General Services Administration, Washington, DC
Product Owner & Engineer, Code.gov

OCTOBER 2017 - PRESENT

- Lead team in creating and maintaining [Code.gov technical platform](#) - [front-end website](#), [API](#), and DevOps environment via cloud infrastructure. Includes product direction and “hands-on” development.
- Implement the White House Federal Source Code Policy (FSCP) ([M-16-21](#)), including agencies’ creation of their source code policy, acquisition language, and source code inventories with open sourcing a portion of code. Coauthored rewrite of open source portion of FSCP.
- Cultivate government, industry, nonprofit, and academic community of practice around open source code and grew agency code bases from 500 to over 6000 with 88% being open source.

Director of GSA Digital Service

AUGUST 2014 - SEPTEMBER 2017

- Created new division by recruiting and hiring talented IT designers and developers; facilitated effective and innovative team work; managed \$750,000 annual budget.
- Led Agile [projects](#) resulting in efficient delivery of software applications for GSA IT; conducted “hands-on” front-end application development (HTML, CSS, JS) and deployment (Cloud.gov on AWS).
- Created agency [open data](#), [API](#), and [open source code](#) policies; implemented organizational strategies resulting in meeting 95% of agency and government digital strategy goals.

Executive Office of the President, The White House
IT Policy Analyst

AUGUST 2013 - AUGUST 2014

- Coauthored the Open Data Policy ([M-13-13](#)) Implementation

ONLINE RESOURCES

Online Bio

<https://www.linkedin.com/in/jrcastle/>

Tech Development

<https://github.com/jcastle>

Tech Skills

Front-end development:

HTML, CSS, Javascript,

ReactJS, Git, GitHub

Programming: Java

CI/CD: CircleCI

Automated testing: Pa11y,

Snyk, Jest, CodeClimate,

Checkmarx

Cloud: AWS, Federalist,

Cloud.gov

Dissertation

https://github.com/jcastle/dissertation_publishingOSS

AWARDS

Fed100 2019 - Presented to 100 industry and government individuals transforming government IT.

Code.gov - 1105 Media, BIG, and ACT-IAC innovation awards.

Guidance; managed CFO Act agency education and compliance with Presidential Open Data initiative resulting in 90% compliance by participating agencies.

- Coauthored Presidential reports and briefings including agency IT audits (PortfolioStat), State of The Union [speech](#), Executive Orders, policy memos, and the [President's Budget](#).
- Contributed to the development of the [U.S. Digital Services Playbook](#), the White House's approach to conducting digital development in federal agencies.
- Led IT program reviews and audits of the Department of Defense, Department of Education, Small Business Administration, National Science Foundation, and the Army Corps of Engineers.

U.S. Army - Army Commendation, Armed Forces Expeditionary, and Humanitarian Service Medals.

Various Roles in Government and Industry

- **IT Project/Program Manager at U.S. General Services Administration**
 - Managed technical teams building acquisition content management solutions, procurement systems, and the federal government's largest e-commerce platform (GSA Advantage!).
- **IT Project Manager at Operational Technologies Services, LLC** - Managed a contract team building training software for the Federal Aviation Administration. Utilized Microsoft development tools on three projects totaling \$3M annually.
- **Canon Crew Member, U.S. Army 10th Mountain Division** - Enlisted in field artillery for 3.5 years. Deployed to Haiti for [Operation Uphold Democracy](#).

EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA

PhD, Public Administration and Public Affairs - 2020

Dissertation: *An Organizational Analysis of Publishing the People's Code.*

The George Washington University, Washington, DC.

MS, Management Information Systems - 2002

Mount Saint Mary's University, Emmitsburg, MD

MBA, Marketing - 2002

Mount Saint Mary's University, Emmitsburg, MD

BS, Business Administration - 1999