

Joseph Castle

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IT director, program, product manager, and engineer with twenty-plus years experience building responsive web applications, leading large-scale enterprise solution implementations, and evangelizing open source software development, publication, and reuse. Managed and worked as a “hands-on” engineer with building open source applications. Possess deep knowledge of software development, Git, GitHub, DevOps, CI/CD, and open source development practices. Value inclusion, transparency, trust, integrity, continuous improvement, and the ability to deliver.

Functional Practice

- Discovery and demonstration: Numerous years in government technology have led to “hands-on” discovery and solutioning of proprietary and open source applications.
- Customer trust: Worked with high-level executive stakeholders and hundreds of thousands of users of enterprise applications. Also worked as a maintainer and one-on-one on numerous open source repositories.
- Open source advocate: Served as the U.S. federal government open source software (OSS) program office (OSPO) manager and expert on government OSS. Participated in numerous national and international events as contributor and keynote speaker.
- Acquisition experience: Many years in the federal government working with acquisitions as a Contract Officers Representative (COR), Contract Officers Technical Representative (COTR), and a purchaser of commercial products and services.
- Breadth of technologies: Worked with numerous enterprise, cloud, DevOps, and security technologies (e.g., AWS, GitHub, EMC).
- Experience with data management: Worked with open source databases on data mining and reporting projects include the Federal Source Code Study (FSCS), a three-year study on the implementation of M-16-21 or the federal source code policy.
- Built analytics solutions: As pertaining to the FSCS and Code.gov efforts, built and utilized numerous data mining and analytics solutions.
- Hands-on with open source: Experience writing Python code along with front-end engineering technologies (e.g., HTML, CSS, JS) and data data object files (e.g., JSON).

RELEVANT EXPERIENCE*

US General Services Administration, Technology Transformation Service, Washington, DC

Director, Max.gov Transition Program - October 2020 - Present

Program responsible for transitioning the White House’s 18 integrated on-prem applications and capabilities to a commercial cloud software-as-a-service (SaaS) platform for multi-tenant and multi-user authentication and collaboration. Current solutions consists of 68 federal agency customers and 250,000 users.

- Responsible for overall business functioning of the program with setting and aligning strategic direction and program goals with broader organization.
- Provide technical management with Agile methodologies, analysis of current and future state architectures, user research, alternatives and implementation of the technology stack, and software development approach and lifecycle.
- Continued responsibility with Code.gov OSPO with open source software publication and maintenance, and community engagement.

Director, Code.gov - October 2017 - October 2020

OSPO including technical platform with website and API products, and an open source software community to implement the White House's Federal Source Code Policy.

- Responsible for overall strategic direction, business functioning and technical management of program budget, acquiring people and technical tool resources, community building. Used Agile approach to create and enhance open source products, and maintained multiple Code.gov open source software repositories.
- Created and maintained federal source code community of practice consisting of government, industry, nonprofit, and academic members. Grew federal community and open source code bases exponentially.

GSA Office of the CIO

Director of GSA Digital Service - August 2014 - September 2017

Modeled after the White House's [US Digital Service](#) to use design and technology to deliver better services from GSA to the American people.

- Created a new division by conducting all aspects of business, technical, and people management with IT designers and engineers; implemented Agile methodologies for cloud-based automated DevOps product development; and, participated as an open source repository maintainer.
- Created agency standards and policies: [open data](#), [API](#), and [open source software](#).

Executive Office of the President, The White House

IT Portfolio Manager - August 2013 - August 2014

Portfolio management included relationship building with agency CIOs and their staffs, auditing agency project progress for schedule, cost, and White House policy variances, and providing SME input into Presidential artifacts for agency guidance and public awareness.

- Co-authored the Open Data Policy ([M-13-13](#)) Implementation Guidance and managed executive agency education and compliance.
- Contributed to Presidential reports and briefings including agency IT audits, State of The Union [speech](#), Executive Orders, policy memos, and the [President's Budget](#).

EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA - *PhD in Public Administration and Public Affairs*, Dissertation: [An Organizational Analysis of Publishing the People's Code](#)

The George Washington University, Washington, DC. - *MS in MIS*

Mount Saint Mary's University, Emmitsburg, MD - *BS in Business, MBA with Marketing*

AWARDS: *GitHub Star 2021* - Nominated by peers and chosen by GitHub, Inc. to provide input on new product development. *Fed100 2019* - Presented to 100 industry and government individuals transforming government IT.

*Most recent experience listed. Additional experience and references available upon request.