

GSAW 2024 Tutorial L: Half Day

DevSecOps Concepts and Considerations for Ground Systems

Overview:

An overview of the DevOps or DevSecOps. Technologies and infrastructure required for adopting DevSecOps. Differences between DevSecOps in the commercial compared to Government programs. How other federal government agencies are using DevSecOps?

- DevSecOps fundamental concepts
- DevSecOps roles and responsibilities
- DevSecOps practices and activities
- DevSecOps infrastructures and technologies
- DevSecOps constraints and limitations in Ground systems
- Lessons learned on DevSecOps for Ground systems

Instructors:

Jason McKenney and Darren Callahan, The Aerospace Corporation

Biographies:

Jason McKenney is an Associate Director in the Software Systems and Acquisition Department at The Aerospace Corporation. He has more than 20 years of experience with software development, integration, and test activities. Most of his career has been spent with commercial firms developing software, designing continuous integration pipelines, and leading small teams. He has a B.S. in Telecommunications from the University of Kentucky, and an MBA from California State University – Dominguez Hills.

Darren Callahan is an EIS Agile Practices Manager at the Aerospace Corporation, specializing in team coaching and training. He has a B.S. in Education from Miami University, Ohio and a Masters in writing from Columbia College, Chicago, plus coursework from the American Management Association. He is a Certified Scrum Professional (CSP), a Kanban Coach, and Certified Scrum Product Owner, as well as certified in Scaled Agile SAFe 5.5. He has worked with The Aerospace Corporation since 2017, after stints as a VP, COO, Senior Leader, and Program Manager at large and small companies such as Met Property & Casualty, Monsanto, and several successful start-ups.

Description of Intended Audience and Recommended Prerequisites:

Geared toward individuals with moderate software development experiences.

What can Attendees Expect to Learn:

Key concepts of DevOps or DevSecOps, tools and technologies for DevSecOps adoption. Things to consider for DevSecOps adoption for Ground systems.