

Daniel Moch

Winter Park, Florida, USA

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Software Engineer and Architect focusing on Developer Platforms. I help legacy programs modernize their development practices.

Experience

Adjunct Faculty at Full Sail University (September 2019 – November 2024)

Teaching Computer Science courses in Software Engineering and Operating Systems.

Software Engineer at Lockheed Martin (May 2005 – Present)

Currently serving as a Staff Software Engineer in Lockheed Martin's Open Source Program Office, working with others across the industry in the Cloud Native Computing Foundation's Public Sector User Group.

Dates: July 2024 – Present

Currently serving as a software architect creating a modern developer platform for use by teams working in a disconnected environment.

Dates: October 2024 – Present

Technologies: Azure, GitLab CI/CD

Served as the lead DevSecOps Architect for an organization charged with developing a modern developer platform for a large logistics system. Developing associated tooling including a web-based self-service console to automate common tasks.

Dates: November 2019 – December 2024

Technologies: Rancher/RKE2, ArgoCD, Backstage, GitLab CI/CD, Go, Python, PostgreSQL, AWS

Designed and implemented major components of a DevOps system for a large IRAD program with a goal of modernizing development, build, release, and delivery processes for a large logistics system.

Dates: January 2019 – November 2019

Technologies: RedHat OpenShift, Jenkins, RHEL, Python, Java, Git, Maven

Responsible for technical and schedule performance of a cross-functional team in the research and development of a new logistics technology leveraging data analytics to reduce sustainment cost of an active program. Additional responsibility for staffing and software architecture.

Dates: April 2018 – January 2019

Technologies: JavaEE, Spring, C#, JBoss, Oracle

Lead a major cost-reduction initiative to move a team of roughly 200 software engineers to more modern development tools and further leveraging those tools to implement modern DevOps practices.

Dates: June 2018 – March 2019

Technologies: Git, Bitbucket, JIRA, Jenkins

Ensured delivery of critical training components on schedule as a deputy product owner, leading several teams comprising roughly 20 software engineers.

Dates: July 2017 – April 2018

Ensured a continuing positive relationship with our customer by delivering a detailed release plan for a complex, sustainment-phase software program that enhances and adds to customer-requested capability. Ensured performance toward this plan as the software lead with ownership over cost, technical, schedule, and staffing.

Dates: August 2016 – July 2017

Technologies: C#, C++, VB, Visual Studio, MS SQL Server

Positioned Lockheed Martin RMS for success in capturing new business by developing a high-level design for a reconfigurable cockpit trainer capable of serving multiple variants of Sikorsky's Blackhawk helicopter.

Dates: January – June 2017

Successfully led the design and development of major capabilities as Agile Team Lead (Scrum Master) for the TMS v2 effort. Ensured schedule and cost performance as CAM for parts of the same program.

Dates: April 2015 – August 2016

Technologies: JavaEE, Oracle, Eclipse, JBoss

Improved the quality of our Learning Management System as Lead for Software Integration and Test Activities, including automated test and continuous integration. Automated deployment of the application through the development of application deployment scripts using an in-house deployment automation tool.

Dates: July 2012 – April 2015

Technologies: Java EE, C#, Python, Jenkins, JUnit, Arquillian, Selenium, Windows Server 2012, Hyper-V, ESXi, SOAP, REST

Other Projects:

Lead a small program back to green as the software lead of a program utilizing C code on an embedded Linux platform.

Cut cost by designing and developing a product-line approach to Factory Test Software to support a single FTS solution in C++ across multiple target architectures and real-time operating systems.

College Student Technical Intern at Lockheed Martin Systems Integration (June – August 2004)

Made manned space flight safer through the development BIT code in a vxWorks environment for the Space Shuttle program.

Patents

Secure Data Storage and Retrieval; United States Patent US8539601 B2 Issued September 17, 2013; Inventors: Walter Richter, Daniel Moch, et al.

Achievements

In 2023, I was admitted into Lockheed Martin's Recognized Technical Talent (RTT) program, the entry point of their Fellows pipeline.

In 2017, I graduated from Lockheed Martin's Advanced Technical Leadership Program (ATLP).

Additional Skills & Expertise

Technical Leadership, C, C++, Embedded Software, Test Driven Development, Linux, macOS, Regular Expressions, MySQL, .NET, Team Building, Software Architecture, ClearCase, Object Oriented Design, Visual C, Windows, Subversion, RTOS, WordPress, Technical Writing, NetBeans

Relevant Education

Reformed Theological Seminary (2014): M.Div., Classes in organizational and cross-cultural leadership

Grove City College (2005): BSEE, Electrical Engineering with a concentration in Computer Engineering

Owego Free Academy (2001): High School Diploma, High School/Secondary Diplomas and Certificates