

Christopher Juszak

Fort Collins, Colorado | geohub.com/resume

C++ programmer and team leader with 20 years of experience supporting the defense industry

2014: **Master of Engineering in Systems Engineering**, Colorado State University, GPA: 4.0

2000: **Bachelor of Science in Computer Science**, California State University Chico, GPA: 3.661

2007 to 2022: Contract support for US Department of Defense (DoD) engineering projects, Test & Training Enabling Architecture (TENA) User Support Team Lead

- 2016 to 2022: **Senior Manager – Systems Engineering**, KBR Inc. (*current*)
- 2013 to 2016: **Systems/Software Engineer**, Wyle Laboratories
- 2007 to 2013: **Systems/Software Engineer**, BAE Systems

While working for these companies, I provided engineering support for the TRMC, which is organized under the DoD Under Secretary of Defense for Research and Engineering (USDR&E). My responsibilities include developing software for various projects, leading a team of software engineers, training software engineering teams to use specialized application programming interfaces, and supporting various other software engineering projects and activities across the DoD. Major direct contributions:

- Routine training of government/contracting teams to use the Test & Training Enabling Architecture (TENA) Application Programming Interface (API) and related software.
- Supporting the integration of DoD facilities into the Joint Mission Environment Test Capability (JMETC) network in support of various multi-range testing activities.
- Development of software for demonstration of simulation and instrumentation concepts.
- Development of capabilities that are in continuous use on the JMETC network (a national infrastructure of DoD ranges and facilities). This includes the development of the JMETC Active Measurement Program OS installer, a live disk for testing and troubleshooting, and a Python-based system that performs nightly full mesh network performance testing and reporting.

2005 to 2007: **Systems/Software Engineer and Team Leader**, Cubic Applications

My primary role was providing expertise in the integration of TENA with Cubic instrumentation capabilities (for systems focused on training of military personnel). This primarily involved the C++ programming language. I also led a team of software engineers responsible for integrating specific sensors, building network translation capabilities, and developing TENA-related capability testing software.

2002 to 2005: **Computer Scientist**, Naval Air Systems Command (NAVAIR)

My role with NAVAIR focused on the application of technologies supporting range communication infrastructure, data products, and integration of range systems into multi-range test and training environments. While C++ was the primary language I worked with at NAVAIR, I also built web capabilities that utilized the “LAMP stack” – using Linux (primarily Red Hat), Apache, MySQL, and PHP.

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For additional details related to my experience and skills, please visit my resume at geohub.com/resume