

RODNEY DALE BULLER JR

Chandler, Arizona 85225
(760)576-9881

rodney.buller2@gmail.com
linkedin.com/in/rodneybuller

Accomplished Aerospace Engineer: Mechanical | Design | Systems

Active DoD Secret Clearance

Fluent in Systems Engineering & Related Design Codes and Standards

11-year Veteran of U.S. Marine Corps - Helicopter Operations

Core Skills

Model Development	GD&T - ASME Y 14.5	MatLab/C++
Certified Lean Six Sigma	DOORS	Teamcenter Software
Solidworks / CAD modeling	ARP 4754	Engineering Change Control
Siemens NX 10/1847	Testing Procedures	Requirements Management

Professional Experience

Northrop Grumman Corporation, Chandler, AZ

Model Based Systems Engineer (MBSE)

2022 – Present

- Maintained system requirements for a Department of Defense (DoD) contract of a developmental program on Ground Based Strategic Deterrent (GBSD) weapon system.
- Worked with a small team of engineers to design and develop Physical/Logical Architecture Models for the On Board Test Equipment (OBTE) and OBTE Test Equipment using Cameo Enterprise Tool.
- Maintained Control Accounts and provide month end performance/progress for the OBTE and Booster deliverables.
- Worked with a small team of Engineers to support the requirements, analysis, test plans, and verification with the Requirement Verification Architecture Models (RVAM) using DOORS and Cameo tools.

ArmorWorks, Chandler, AZ

Lead Systems Engineer

2020 – 2022

- Maintained system requirements for a Department of Defense (DoD) contract in designing ground support equipment for the sustainment of the Minute Man III program.
- Applied Model Based Systems Engineering methodology using SQL and Excel in order to establish strong traces between standards, models, test reports, and requirements in order to fully define Subsystems in the developing Ground Based Strategic Defense (GBSD) program.
- Established testing procedures for mechanical, electrical, and environmental subsystems to support product development and to ensure system meets customer requirements.

HONEYWELL AEROSPACE, Phoenix, AZ

2017 – 2020

Mechanical Design Engineer

2019 – 2020

- Collaborated with Manufacturing Engineering team to identify out of date materials, processes and standards.
- Used Teamcenter to execute 22 Engineering Change Controls on existing product line on multiple manufacturing processes.
- Developed / updated / released 50+ CAD drawings in accordance with ASME and company standards.
- Evaluated models for deficiencies, modified and improved existing products using Siemens NX 10/1847.
- Collaborated in cross functional teams to meet process improvement and program milestones.

Systems Engineer

2017 – 2019

- Collaborated on design and development of Primus Epic cockpit for the Airbus A300 and Dassault Falcon 7X Program in compliance with Aerospace Recommended Practice (ARP) 4754.
- Collaborated with overseas team & customer on analysis of Advanced Graphics Modules and Avionics Standard Communication Bus redundancy systems; communicated failure modes.
- Developed, maintained, and supported system test benches to analyze and verify software/development builds in addition to hardware compatibility.
- Developed and validated technical requirements for the Display Controls, Display Graphics, and Monitor Warning Sub-Systems on aircraft newly integrating the Primus Epic cockpit using Rational Dynamic Object-Oriented Requirements System (DOORS).

UNITED STATES MARINE CORPS

2002 – 2013

CH-46 “Sea Knight” Helicopter:

Mechanic / Instructor / Maintenance Controller / Aircrew

- Mechanical support and related maintenance activities for aircraft critical for Mission success
- Conducted final inspection on aircraft systems/subsystems and determine if there are any last-minute discrepancies that should ground the aircraft.
- Screen, identify and resolve technical issues
- Supervise, certify and train newly assigned instructors
- Supervise maintenance on landing gear, hydraulic systems, gas turbine engines, electrical and rotor systems
- Manage and undertake scheduled / unscheduled inspections on systems and components
- Manage documentation in conformance with technical directives set by Commander, Naval Air Forces

EDUCATION AND CERTIFICATIONS:

BS, Mechanical Engineering, with a secondary focus in Robotics

2013 – 2017

Arizona State University, Ira A. Fulton Schools of Engineering, ABET accredited

Full-Stack Developer, University of Arizona	In Process
Earned Value Management (EVM)	No expiration date
Lean Six Sigma Green Belt	No expiration date
Solidworks Mechanical Design	No expiration date
Professional Association of Dive Masters	No expiration date
Active DoD Secret Clearance	

AWARDS AND ACCOLADES:

- Four Navy and Marine Corps Achievement Medals for outstanding performance in the line of duty
- Meritorious Mast demonstrating superior grade point average attending Maintenance Repair Course
- Six Letters of Appreciation volunteering at local events, documenting 1000+ hrs. of community service