

Juan Manuel Buendia

P r o g r a m m e r a n d E n g i n e e r



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<https://juanmanuelbuendia.github.io/cv>

Security Clearance

Top Secret SSBI with SCI Access

CI Polygraph

Last update completed August 3, 2019

EDUCATION

Bachelor of Science // Electrical Engineering
University of Nevada Las Vegas, Las Vegas, NV
2011-2019

Completed while holding full-time job

Technical Training//Nuclear Engineering
Naval Nuclear Power Training Command
1999-2001

SKILLS

Algorithms
Team Oriented
Team Cultivation
Mission Focus
Attention to Detail
Operation Risk Management
Problem Solving
Time Management
Customer Needs Focus
Accountability

Technical SKILLS

C++
Java
Python
C#
HTML5
CSS
Matlab
Quartus
RF
Cadence
LTSpice
Pspice
Troubleshooting

PROFESSIONAL PROFILE

I am a Programmer and Engineer with over 20 years of experience working in the Defense Industry. I am experienced in C++, some C#, HTML5, VHDL, some Verilog, some Visual Basic, and in problem solving. My career also contains a proven track record in flight-testing, data analysis, operating and maintaining RF and electronic equipment, and Nuclear Plant Operations.

At JT4, executed flight-test missions as lead test conductor, and delivered data analysis for the F-35 program. I also held the title of Electronics Technician 3 where I maintained multiple RF and electronic equipment within a Test Range Infrastructure at optimal readiness levels for customer evolutions.

Prior to JT4, I was a Nuclear Reactor Operator and Electronics Technician where I was a qualified Naval Nuclear Reactor Operator, Electric Plant Operator, and Technician. I was responsible to maintain Reactor Instrumentation and Control as well as Reactor Protection and Safety electronic equipment.

WORK EXPERIENCE

Operations Test Analyst 2 and Electronics Technician 3
JT3/JT4 LLC (JT3 became JT4) | Las Vegas, NV | 2005 – 2020

Coordinated with Project Officers, Customers, and Test Range Infrastructure Assets to execute millions of dollars in flight-testing for the F-35 program as well as analyze and deliver data for the F-35 and F-18 programs

- Executed Flight-Testing as lead test conductor
- Volunteered as Test Team member for other projects to execute highly visible flight-testing as well as deliver post-mission data analysis
- Augmented a company proprietary analysis tool using Visual Basic

Maintained multiple nationally important electronic systems within a Test Range Infrastructure at optimal readiness levels to support millions of dollars of customer evolutions

- Troubleshoot Rf and electronic equipment to the component level
- Used VHDL to help interface an FPGA between a CPU and Modem
- Used C# to debug remote control ethernet controller for power supplies
- Performed acceptance testing on various components to ensure engineering specifications were met

Naval Nuclear Reactor Operator and Electronics Technician
United States Navy | Various | 1999 – 2005

Operated a Naval Nuclear Reactor Plant at safe levels onboard a naval vessel

- Qualified as Reactor Operator and Electrical Operator
- Troubleshoot Reactor Instrumentation and Control as well as Reactor Protection equipment to the component level
- Perform preventative maintenance such as alignments, alignment checks, trip point and calibration checks, and calorimetrics