

# Robert Francisco

## Manufacturing Engineer

blueheeler58@Gmail.com - (406) 2121910

Willing to relocate: Anywhere

Authorized to work in the US for any employer

### WORK EXPERIENCE

#### **Manufacturing Engineer**

Super First Class Interiors - Tucson, AZ - August 2014 to February 2015

Coordinated project activities with other operating or engineering units to facilitate participation of appropriate staff on project completion. Reviewed project related

documentation to ensure its accuracy.

Provided production floor and assembly support in technical matters relating to assembly drawing interpretation, engineering change notices, MRB, rework, manufacturing difficulties and specifications.

Proficient using UG, MasterCam, NX & MS Office,

#### **Manufacturing Engineer/Planner, Advanced Development Composites**

Boeing - Seattle, WA - November 2007 to September 2013

787-9

Developed and Implement Production and Tooling methodologies to support Advanced Composite Floor Beams, participated on Integrated Product Teams (IPTs) to integrate technical solutions involving multiple disciplines, producibility and variation analyses to ensure manufacturing process capability matches requirements. Resolved technical problems of significant impact to performance, cost and schedule and validate and ensure production readiness of solutions to complex problems.

Proficient using ALL Boeing software programs along with MS Office

Manufacturing Engineer/Planner F15/F18

Supporting Flight Test Activities including Electrical, Structural and Tool planning using MES and Teamcenter/UG, creating MBOM's, Work Instructions and supporting Non Conformance requirements including incorporating Corrective Action instructions. Proficient using DCACMRM (PDM and CAPP II) UG, IRCS, MES, Teamcenter, Single Glass, Braids

Flight Test/Developmental Manufacturing.

Manufacturing Engineer/Planner

Supported multiple Boeing Commercial Airplanes development efforts including 787, 747-8 and Fuselage structural test. Activities include authoring manufacturing plans, for composite, machined and sheet metal details and sub assemblies, developing manufacturing statements and following the jobs through the manufacturing process solving concerns and issues as they arise.

Extensive knowledge of Catia V5, Enovia, PDM, NCM, Capp II, ERP, Lean MFG, Velocity, ELR/CAR, IRCS and all Microsoft Office applications. BCA ADPP Planning.

Quality Engineer, Auditor, 787 Composite Details and Assembly 7478

Wing to Body Fairings and Engine Struts.

Catia V5, Enovia, NetInspect, Capp II, IVT, AS9100

Manufacturing Engineer/Planner 787,  
Planned ITags, Mods & Workarounds for the 43 and 45 sections, Systems and Structure along with Flight Test requirements. Using Composite, Machined and Sheet Metal Assemblies including Systems and Tooling requirements.

Enovia, Catia V5, Delmia, SAP, Capp II, PDM, IVT, MARMS

### **Manufacturing Engineer**

Plastic Fabrication - Wichita, KS - July 2007 to September 2007

Composite Structure Design and Egress System for the Presidential Helicopter 101

### **Manufacturing Engineer/Planner**

Spirit Aerospace - Wichita, KS - January 2006 to June 2007

Planned Boeing 787 Flight Deck, Nose Landing Gear and Emergency Oxygen System Enovia, Catia V5, Delmia, SAP, Capp II, PDM, IVT, MARMS

### **Quality Engineer/Planner**

Middle River Aircraft Systems - Baltimore, MD - 2005 to 2006

Lean Manufacturing Team Leader for the V22

Worked and Implemented Kaizan events to Successfully Reduce Production Flow by 22%, Greenbelt Six Sigma.

### **Quality Engineer/Planner**

Pratt & Whitney - Middletown, CT - 2004 to 2005

Process Certification Leader Continuous Improvement Office

Documentation of Military & Commercial Jet Engine process certification.

Knowledge of SAP, CAPP II, CPK, Unigraphics; Microsoft Project

### **Methods Engineer/Lead**

Bombardier Aerospace/Learjet - Wichita, KS - 1999 to 2003

BMS & Sustaining

Total implementation for new Bombardier Manufacturing Systems (BMS). Detailed Step By Step Planning Assembly Procedures, using CAPP II and production visual aides for training new mechanics. Assigned Methods Liaison Support Focal for Shop Floor. Knowledge of MRP II, Capp II, Catia V4

### **AOG Manufacturing Engineer/Planner**

Boeing Commercial Aircraft - 1996 to 1999

AOG services, warranty repair and technical assistance for all of Boeing's wide body aircraft.

Planned and coordinated qualified personnel, dispatched required parts to repair aircraft for immediate return to service per Manufacturer's, Customers and FAA requirements.

### **Flight Test Maintenance Supervisor**

Boeing Commercial Aircraft Seattle Washington - Seattle, WA - 1995 to 1996

737,747 & 777

Lead a team of crew chiefs and mechanics as a key member of the dynamic and fast paced Maintenance Organization. Demonstrated sound, principled and ethical leadership traits. Created and nurtured a diverse work environment that promotes mutual trust. Shared expertise and technical knowledge. Effectively resolved

conflict and took appropriate action to prevent future occurrences. Kept team aware of personnel, product, safety, regulatory, and technical requirements. Utilized skills, knowledge, and information available from resources ( employees, customers, manuals, other departments) to make timely, effective, and informed decisions..

### **Senior Maintenance Engineer**

Summit County School District - Frisco, CO - 1994 to 1996

### **Manufacturing Engineer/Planner**

LTV Aerospace - Grand Prairie, TX - 1991 to 1994

B1 and B2 Bombers, Planned structure and system assemblies.

### **Production Supervisor B2**

LTV Aerospace - Grand Prairie, TX - 1987 to 1991

Implemented activities in production unit(s) to meet production goals, quality and cost objectives, involved in production, assembly, subassembly or fabrication operations.

### **Quality Inspector B1 and A7**

LTV Aerospace - Grand Prairie, TX - 1985 to 1987

### **F16 Flightline Aircraft Mechanic**

General Dynamics, Ft - Fort Worth, TX - 1981 to 1985

Prepared new Aircraft for first flight and delivery to the Customer.

### **Crew Chief F4 and F15 aircraft**

United States Air Force, Eglin, AFB - June 1977 to June 1981

## EDUCATION

### **Air Force**

Community College of the Air Force Management Skills

## SKILLS

Microsoft Office (10+ years), 3D Modeling (10+ years)

## MILITARY SERVICE

Service Country: US

Branch: USAF

Rank: SGT E-4

June 1976 to June 1982

F-4, F-15 Crew Chief

Commendations:

Air Force Good Conduct Medal Air Force Achievement Medal