

# DANIEL EDUARDO JIMENEZ

## MECHANICAL ENGINEER



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### SUMMARY

Skilled professional with a Bachelor Science in Mechanical Engineering focus on aeronautical engineering, quality control and aviation maintenance. Over 12 year experience in project management, internal client communication with strong technical expertise. Resourceful, analytical and detail-driven with capabilities in completing multiple task with competing deadlines. Focus on identifying and resolving inefficient processes and technical problems. Mentor and guide of junior employees.

Strong team member; able to motivate others to achieve organizational goals while maintaining safety and practices. Reliable follow-through skill, fulfilling all administrative requirements from field activities. Clear communicator, both oral and written in Spanish and English. Strong interpersonal skill; Capable of working under stress in cases of support for either Aircraft on Ground (AOG) or Work Stoppage situations. Always in the expectation of learning and implementing new concepts. With great skills for data analysis and resolving problem

### SUMMARY OF QUALIFICATIONS

- Bachelor's degree in Mechanical Engineering (BSME)
- Over 20 years of experience and leadership in aircraft maintenance industry
- Strong background in auditing, aircraft manuals and technical documentation, preparation of procedures and troubleshootings, engineering orders, repairs, instructions and inspection procedures }
- Statistical analysis of failures and repetitive reports,
- With good knowledge of the Aeronautical Regulations (UAEAC, FAA, CAR, EASA and OASI)
- Good verbal and written communication skills in English and Spanish
- Computer skills include: - MS Office (Word, Excel, PowerPoint, Access, Outlook and Notes), SAP-ERP, AMOS ERP, MS Project, MS Visio, Autocad, internet and email
- Willing to travel when required.

### PROFESSIONAL EXPERIENCE

#### Senior Structures & Support Engineer - AMO

Avianca Airlines, Rionegro, Colombia

January 2020 – Current

- Coordinate 11 engineers in order to provide support to line and heavy maintenance and others external and internal customers (Operations, marketing, in-flight services, maintenance planning, major repairs, Quality Control, Materials Procurement and Technical Training) to solve different technical problems that require intervention of any engineering area of the company's fleet.
- Provide customer support and timely solutions to critical and AOG needs related to maintenance tasks.
- Distribute, follow up and monitor the daily technical requests assigned to AMO Engineering Team through the established means (AMOS system, email, etc) in the regulated response times (AOG, CRI, NOR).
- Approve repair instruction proposals to be send to OEMs
- Support special projects and key initiatives by S&S Engineering Manager that require knowledge and experience of the engineering area
- Participate in the development and growth of AMO activities/capability
- Elaborate new organizational processes and coordinate changes to the Maintenance Policy Manual and related documentation, such as the procedure for aircraft weighing, interchangeability of parts, support for workshops, definition of contracts, etc.
- Participate on hiring of new Structure & Support Engineering Members
- Provide technical support to 145 Heavy Maintenance Services during 2020 with no delay
- Provide solutions to near to 3500 technical requests during 2020
- Mentoring and development of Junior Engineers

## EDUCATION

### B.Sc. in Mechanical Engineering

2000

Universidad del Norte, Barranquilla, Colombia

### Organizational Change & Development (Course)

2012

Universidad Externado de Colombia, Bogota, Colombia

## REFERENCES

References available upon request

### Structures & Support Engineer - AMO

Avianca Airlines, Rionegro, Colombia

April 2017 – December 2019

- Monitor the performance of the in-service fleet of aircraft, recognize problems and provide corrective actions for any issues requiring technical resolution and propose Maintenance Programs Changes (PCR)
- Provide on site engineering assistance to external and internal customers
- Able to read and interpret technical drawings and related information
- Provide response and timely solution (preventive and corrective actions) to critical and immediate needs
- Updating the database with technical findings.
- Support the workshops by means of increasing their capabilities and designing, workaids and tools.
- Participate teleconferences of the FTRP (Resolution of Technical Issues/Problems of the Fleet)

### Airframe Systems & Component Engineer

Avianca Airlines, Bogota, Colombia

January 2008 to March 2017

- Provide technical support to different areas (operation, heavy maintenance, line maintenance, maintenance planning, major repairs, Quality control, Material Procurement and Technical Training) in topics related with the aircraft systems (Air Conditioning System, Protection System Fire Protection, Flight Controls, Fuel System, Hydraulic Systems, Landing Gears, Oxygen System, pneumatic Systems, Water and Waste System and Fuel Tank Inerting System).
- Providing Support and develop improvement projects in aircraft systems to the on-going reliability improvement
- Prepare and control of the budget for technical improvements of A320 Fleet, related with Airframe Systems
- Develop maintenance and troubleshooting procedures, presentations, investigations and service requests according to the instructions of manufacturer and requirements of the civil aviation authorities.
- Establish technical staff in the special works carried out in the aircraft systems
- Analysis, Schedule and Control of Technical Procedures, Airworthiness Directives and Service Bulletins
- Leader of the Installation of the Fuel Tank Inertization System in Fleet A320 (48 EAs)/ A330 (6 EAs) which costs 220.000 USD per A320 and 360.000USD
- Define of commonality between the AVA-TAI A320 fleets to standardize the purchase of new aircraft
- Have a key role into the Reliability Committee and Safety Management System in order to do Identify and implement fleet reliability improvements to be applied
- Participation in the leaseback project of 8 aircraft MD83 to their respective Lessors and sale of 8 MD83 aircraft owned by AVIANCA.
- Auditing of three Aircraft A320 during delivery (FAL) Process

### Quality Control Director (QC)

Aviaservice / Beechcraft CSC, Bogota, Colombia

Nov 2006 to Aug 2007

- Review ADs, FARs, SFARs, other regulatory requirements and develop necessary action to ensure compliance .
- Assist, supervise, schedule and manage technical inspector personnel (AITs).
- Control and schedule inspections, tests and calibrations of precision equipment
- Control and schedule the training of the company's technical personnel.
- Leader of the the Safety Management System
- Carry out the internal and external audits established by the Quality Assurance (QA) Program
- Make procurement and coordination of import / export of materials, spare parts and aeronautical supplies; and
- Control the warehouse inventory.