
FLIGHT ENGINEER RESUME

Summary:

A personnel whose job focus revolves in the implementation of flight requirements, functional test procedures, and preparation of test cards for aviaiton companies and airlines; oversees briefings, tests, telemetry operations, daily aircraft work plans, management of squawks, daily reports to management; has been involve in test productivity metrics, coordination of emergency rescue resources, and maintenance of the test condition database; the incumbent has been involved in the Open Work Assessment Committee and is a member of the Flight Test Review Board; has authority to prepare and approve aircraft specific test plans, reports and procedures.

Professional Experience:

Flight Test Engineer January 2007 – Present
Zebra Corp, Albany, NY

Responsibilities:

- Planned, conducted, managed and reported on performance flight tests for documentation purposes.
- Conducted testing to define hover, level flight, climb, descent performance, takeoff and landing performance.
- Prepared reports documenting the flight test results and the flight attendants list.
- Created, correlated, and maintained rotorcraft predicted performance computer models which are based on performance flight test data.
- Tested and validated control algorithm implementation, fault tolerance system design as well as development of vehicle simulation software.

Software Engineer-Flight Software May 2004 – December 2006
Pearce Engineering, Limited, Albany, NY

Responsibilities:

Developed and tested flight control software for the aircraft launch vehicles and the space capsule.
Created and designed a highly modular space vehicle software suite, which includes vehicle housekeeping and maintenance.
Designed a mission event sequencing; guidance, navigation and control; rendezvous and docking and communications networking and fault detection, isolation and recovery of applications.
Developed software for embedded flight hardware using as well as ground simulation software using Linux and other open source flavors.

Principal Engineer – Flight Test February 1999 – May 2004
Cirrus Logic, Albany, NY

Responsibilities:

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Software Engineer-Flight Software May 2004 – December 2006
Pearce Engineering, Limited, Albany, NY

Education:

FAA Licensure Exam Passer, 2000
Masters Degree in Mechanical Engineering, University of Iowa, IA, 1999
Bachelors Degree in Flight Engineering, Rockefeller University, NY, 1997

Skills:

- Knowledge in aircraft systems and engine
- Knowledge in software development experience
- Experience programming for high reliability systems
- Good communication skills
- Excellent leadership and management skills

Professional Affiliation:

Flight Safety Foundation, Member
Society of Experimental Test Pilots, Member

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