**Avionics Integration Engineer**

at Overair, Inc.

Santa Ana, CA

**Company Overview**:

At Overair, we are dedicated to bring next generation sustainable air transportation to everyone.  Our answer is Butterfly, an all-electric vertical takeoff and landing (VTOL) aircraft designed to safely and affordably carry passengers over traffic and congestion.  Butterfly leverages over two decades of VTOL aircraft development, patented VTOL technology, and flight vehicle experience.

Overair believes in the lofty goals of sustainable air mobility and we are committed to solving the hard challenges along the way.  We are building an industry leading team covering an expanse of skills, talents, and expertise in order to build a superior electric VTOL aircraft.  If you enjoy solving difficult problems, and seeing your ideas and visions expressed in flying aircraft, we want you on our team.

**Job Overview**:

Overair is seeking an experienced Avionics Engineer to take ownership of multiple aspects of the avionics suite, including requirements authoring, architecture, implementation, and integration. This role is responsible for contributing to a unified technical vision of the architectural approach, for interacting with and contributing to the selection of vendors where appropriate, and for building and executing to a schedule for the avionics project. This role requires the candidate to thrive in a high paced environment and will have an integral role in advancing the next generation of electrically powered vertical lift aircraft.

**Roles and Responsibilities:**

* Coordinate authoring of avionics requirements consistent with aircraft requirements
* Design an avionics architecture capable of meeting those requirements
* Work with external vendors, as necessary, to supply portions of the architecture
* Work with internal engineers to build other portions of the architecture
* Support certification activities of the avionic systems and their integration into the airframe
* Interact with other project teams at Overair to keep the overall vehicle vision aligned
* Author and maintain a realizable schedule through Avionics certification

**Required Qualifications:**

* Bachelor's Degree in a relevant engineering discipline
* 4+ years of experiencing in a relevant engineering discipline (Systems Engineering, Software Engineering, Electrical Engineering, Aerospace Engineering, or other)
* Previous experience and familiarity with CFR Part 23, Part 25, Part 27 or Part 29 commercial certification of aircraft systems
* Experience working with accepted avionics performance and qualification standards, such as from RTCA, SAE, ASTM, EUROCAE, etc.
* Proven software development experience governed by processes for certified safety-critical systems (DO-178, DO-254, ISO 26262, etc)
* Experience with safety-critical systems developed to detailed requirements
* Hands-on experience through the Full Software Development Life Cycle in the aviation industry
* Experience developing and/or following certification plans, developing compliance data, and working with DERs, FAA, EASA, etc.
* Strong communication and inter-personal skills are required
* Demonstrated ability to manage tasks and projects involving peers across several disciplines

**Desired Qualifications:**

* Proficiency with C and C++
* Experience with from-scratch architecture development of avionics systems or other large multi-component safety-critical embedded systems