



## Staff Mechanical Engineer

### ABOUT MightyFly

At MightyFly, we are pioneering a revolution in the logistics industry via our autonomous hybrid eVTOL cargo aircraft. Our mission is to provide efficient, affordable and low emissions expedited deliveries to everyone.

Legacy logistics services are time and resource intensive. At MightyFly, you will have the opportunity to work on cutting edge technology to change that. We are building autonomous eVTOL aircraft with cargo capacity of 100 to 500 pounds and range of 600 miles. Our expedited delivery services aim to streamline B2B and B2G logistics, providing very efficient point-to-point deliveries to our customers. We will fundamentally transform how goods are moved around the globe.

Join the MightyFly team and help us change the world!

### ABOUT THE ROLE

MightyFly is looking for a seasoned Mechanical Engineer with extensive composite and metallic design experience to join our team. This individual will be responsible for the preliminary and detailed design of primary structure, mechanisms, and electrical housings. As a staff member of the engineering team, you will also be responsible for providing guidance and technical knowledge to fellow team members.

You will be an instrumental member of everything from preliminary concepting to production of components for test vehicles. You will have strong CAD skills and the ability to perform hand calculations based on first principles and create manufacturing instructions. Additionally, you will work closely with many disciplines - electronics, flight sciences, and manufacturing.

### WHAT YOU'LL DO

- Contribute to the design, development, and manufacturing of MightyFly's autonomous aircraft
- Work with the team, consultants, vendors, and contractors to realize designs
- Development, implementation, and execution of test fixtures and infrastructure to verify the functionality and robustness of the autonomous aircraft
- Hardware support and participation in flight tests to validate our system's functionality.
- Documenting designs and tests
- Providing documentation and technical information for certification purposes



## WHAT YOU'LL BRING

- Technical
  - +10 years composites airframe design and development engineering experience
  - CAD and schematics experience
  - Experience designing mechanical assemblies in aerospace or automotive applications
  - Hands-on experience with composites and metallic structures
  - Experience designing safety critical hardware
- Planning & Partnering
  - Ability to plan and deliver on time
  - Excellent technical communication skills
  - Organizational skills
- General
  - A passion for building systems from the ground up
  - A can-do attitude for tackling and solving complex problems
  - Be a self-starter with the ability to work and thrive in a dynamic and fast-paced environment
  - Great communication skills
  - Great documentation skills
- Desired
  - Experience designing large eVTOL aircraft
  - Experience with Dassault 3DExperience/CATIA
  - Rapid prototyping experience
  - Experience with internal combustion engines. Eg. 2-stroke or 4-stroke
  - Familiarity with aviation certification standards & processes

## WHAT ELSE YOU NEED TO KNOW

MightyFly is only able to sponsor TN visas and H1B visa transfers for this position at the present time.

### **Equal opportunity:**

MightyFly is an equal opportunity employer and prohibits discrimination and harassment of any type. We do not discriminate based upon race, religion, color, national origin, sex (including pregnancy, childbirth, reproductive health decisions, or related medical conditions), sexual orientation, gender identity, gender expression, age, status as a protected veteran, status as an individual with a disability, genetic information, political views or activity, or other applicable legally protected characteristics.

### **Diversity:**

MightyFly values diversity and welcomes applications from those who are traditionally underrepresented in the tech industry. We are an international team, led by a female CEO.

### **Job Location:**



- Bay Area.
- Work will be on site.

#### **Culture:**

- We are aviation and aerospace enthusiasts who believe the sky is *not* the limit.
- **Teamwork:** We believe that to achieve great results we need great teamwork.
- **Working hard:** Building reliable aviation and logistics products is really hard but also exciting, challenging, and rewarding.
- **Having fun:** We believe that hard work needs to be coupled with fun. We love hanging out beyond the workday, hosting team dinners, and organizing fun activities. We love the outdoors and outdoor sports. And of course, we love flying.
- **Celebrating wins large and small.**
- **Creativity.** We love and encourage creativity. The best ideas emerge when our working environment fosters out-of-the-box thinking.
- **Equity, inclusivity, and respect** for the diversity of life and work experiences that each individual brings to the team.
- **Transparency, honesty, and integrity.**

#### **Benefits:**

- Competitive health, dental, and vision insurance
- 401k Plan
- Commuter benefits
- Complementary in office meals and snacks
- Paid time off
- Stock option/equity plan

## **APPLY**

Email a copy of your resume and a brief introduction about yourself to [jobs@mightyfly.com](mailto:jobs@mightyfly.com).