



## 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 seeking a passionate Mechanical Engineer to join our Airframe team. You will be responsible for the design, implementation, and testing of various mechanical systems and primary structure onboard MightyFly's hybrid-electric eVTOL aircraft.

This role requires a strong fundamental understanding of structures, load paths, requirements traceability, and weight-sensitive design. Our ideal candidate must be self-motivated, passionate about hybrid eVTOL aircraft development, and able to quickly adapt to direction changes.

The candidate must have a strong interest in working in a small, fast paced team where a variety of skills will need to be applied day to day, and in which new skills will constantly need to be learned.

### WHAT YOU'LL DO

- Collaborate with our multi-disciplinary engineering team
- Rapidly prototype new designs
- Work with consultants, vendors, and contractors to realize designs
- Develop test procedures and test new designs
- Hands on production support to validate new designs and bring up production
- Design test fixtures to validate designs against requirements
- Document designs and test for the purpose of FAA certification
- Communicate effectively and clearly



- Must be self-motivated and a great team worker

## WHAT YOU'LL BRING

- Technical
  - 2+ years mechanical engineering experience
  - Education level: Bachelor in Mechanical Engineering and/or Aerospace
  - CAD proficiency
  - Experience designing mechanical assemblies in automotive or aerospace, such as airframe structures, gearboxes, drivetrain, transmission, landing gear, doors, etc...
  - Experience designing metallic parts
  - Experience designing test fixtures
  - Experience with GD&T
  - Experience with FEA/FEM
  - Experience designing safety critical hardware.
- Planning & Partnering
  - Ability to plan and deliver on time
  - Ability to translate product requirements into technical implementation plans
  - Organizational skills
  - Written and verbal communication 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
- Nice to have
  - Experience designing composite parts
  - Experience with high power electric motors and drivetrains
  - Experience with 3DExperience/CATIA
  - Experience with internal combustion engines. Eg. 2-stroke or 4-stroke
  - Familiarity with aviation certification standards & processes
  - Experience with large UAVs or VTOL aircraft

## 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.
- **Humility:** Let's leave the ego at the door so we can work together to create meaningful solutions.
- **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 with a brief introduction about yourself to [jobs@mightyfly.com](mailto:jobs@mightyfly.com)

