Head of Hardware

ABOUT MightyFly

Do you want to change the world? MightyFly is creating the future of logistics with autonomous cargo aircraft. Our mission is to provide rapid and efficient access to goods. Join the MightyFly team and help us change the world.

MightyFly is leading the logistics revolution. Existing logistics infrastructure is time and resource intensive. We are building the future of logistics with autonomous, carbon neutral cargo aircraft with a cargo capacity of 500 pounds and a range of 600 miles. Our logistics service will enable consumers to access affordable expedited delivery from all retailers, anywhere on the globe. It will make it possible for businesses to offer affordable expedited delivery. MightyFly's just-in-time logistics using unmanned aircraft will fundamentally transform how goods move around the globe.

ABOUT THE ROLE

The hardware team designs and builds the MightyFly autonomous aircraft to enable the future of logistics. As the hardware team lead, you will be responsible for planning and leading the design, architecture, implementation and testing of the MightyFly autonomous cargo transport aircraft. Your responsibilities extend from building the system from the ground up, into building the team and leading the team. The work will span a broad swath from system engineering and designing safety critical systems, into mechanical, electrical and manufacturing, into interacting with the software team.

Our ideal candidate must be self-motivated, passionate about hybrid eVTOL aircraft development, and 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.

WHAT YOU'LL DO

- Manage and grew our hardware team.
- The creation and execution of the hardware development roadmap, aligning hardware milestones and development, with company-wide plan, goals and strategy.
- Overall MightyFly's autonomous aircraft design and development.
- 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.

- Hardware requirements specification, management and tracking, with an eye towards software certification when necessary.
- Contributing to high-level planning and architecture discussions in collaboration with other team members.
- Documenting designs and tests.
- Providing documentation and technical information for certification purposes.

WHAT YOU'LL BRING

- 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
  - Experience in leading a team
  - Experience in recruiting and making hiring decisions
  - Great communication skills
  - Great documentation skills
- Technical
  - +5 years hardware engineering experience
  - Autonomous aircraft design and development experience
  - CAD and schematics experience
  - Experienced designing mechanical and electrical assemblies in aerospace or automotive
  - Hands-on experience with composites and metallic structures
  - Knowledgeable with both team-wide and individual best practices
  - Experience designing safety critical hardware
- Planning & Partnering
  - Ability to plan and deliver on time
  - Excellent technical communication skills
  - Ability to translate product requirements into technical implementation plans
  - Good judgment on when to say Yes and No! Ship when we need to ship and punt when we can afford to punt
  - A mixture of customer obsession and product vision
  - Organizational skills
- Nice to have
  - Experience designing composite parts
  - Experience with high power electric motors and drivetrains
  - 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

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.

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.
- Unlimited paid time off.
- Stock option plan.
- Working on cutting-edge products to transform our future.
- Working with a diverse and highly skilled team.
- Shaping and defining company culture and values.

APPLY

Email a copy of your resume with a brief introduction about yourself to careers@mightyfly.com