

SOFTWARE ENGINEERING - MANAGER / DIRECTOR

Company Overview:

Ampaire is a tech startup based in California that is leading the charge in electric aviation. We're on a mission to provide the world with electric commercial flights that are affordable, quiet, and environmentally conscious. We're building the future of air travel, are reimagining the way people and their things fly. We are a practical and lean start-up that quickly iterates and learns, and this has allowed Ampaire to be among the first of the electric aviation companies to actually fly. We currently are flying what we believe to be the world's largest electrified aircraft by weight and capacity.

We're located at the intersection of aerospace and electric vehicles, right next to SpaceX and Tesla at Hawthorne Airport in Los Angeles County. As part of Starburst, the world's top aerospace accelerator, we have access to an international support network. We're proud to have won multiple international awards as a Top Aerospace Startup (Hello Tomorrow, Paris), Top Electrification Startup (New Mobility Challenge, Los Angeles), and IEEE N3XT Stars. We've also been featured in Aviation Week for our creative business approach and early success. Our talented team brings a diverse background from top institutions including: Caltech, Stanford, USC, Northrop Grumman, SpaceX, Virgin Orbit, and General Motors.

Job Description:

Oversee and manage others performing detail design/specification, analysis, test, certification and support of embedded software for the management of battery systems (BMS) and powertrain control for hybrid electric aircraft. Set and detail lower level powertrain software component requirements.

Oversee software engineering design reviews. Build and maintain or procure appropriate design resources, test development facilities or services as necessary. Direct supplier related activities. Directly perform all of the functions above as required. Develop project budgets and schedules for software engineering activities. Release design artifacts and act as responsible engineering authority for software items and systems.

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Experience Level:

Bachelors Degree in Computer Science, Electrical Engineering, or Computer Engineering

15+ years experience in aviation, aerospace (start up and clean energy industry experience a plus)

5+ years leading a team of software engineers

Required Qualifications:

- + Mentor and oversight of software developers in the use of configuration management tools and the implementation of software quality standards
- + Experience with control systems software
- + Experience with Requirements Analysis, Design, Development, Debugging, Test, Implementation, and integration
- + Experience with documentation and processes required per DO-178C
- + Familiar with DO-254, ARP4754 and ARP4761
- + Ensures hardware and software standards are met.
- + Designs and implements build procedures that are used to support hardware and software product development and use.
- + May develop software configuration standards for company-wide use.
- + Assist with software testing and documentation.
- + Successful FAA Certification of software systems
- + FAA DER for Avionics and Electrical Systems
- + Flight computer or engine control computer design
- + Development of component and system test facilities

Benefits:

- + 401k
- + Health + Dental + Vision insurance
- + Aviation Enthusiast Benefit credit



3507 Jack Northrop Ave.
Hawthorne, CA 90250

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Equal Opportunity Employer:

At Ampaire, we are committed to building a more inclusive ecosystem that integrates women, people of color, and other underrepresented groups into the cleantech sector and aerospace industry. We strongly encourage applications from qualified applicants and members of underrepresented groups.

Ampaire is an Equal Opportunity Employer; employment with Ampaire is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.