



Job Announcement

Principal Software Engineer

with

FreeFlight Systems

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For additional details, contact Terri Turley in Human Resources, x200

Minimum Requirements

- BS in Electrical/Aeronautical Engineering, Physics, or Computer Science.
- Minimum 10 years industry experience accomplishing software engineering in a structured, configuration-managed environment.
- Thorough working knowledge of C programming language.
- Ability to interpret algorithms and translate into efficient embedded code.
- Significant experience with at least one RTOS.
- Intellectual curiosity coupled with a high energy level; attention to detail.
- Good command of written and spoken English; good communication skills.

Desirable Requirements

- MS in Electrical/Aeronautical Engineering, Physics, or Computer Science.
- Experience with satellite-based navigation (GPS, WAAS, etc.).
- First-hand experience with systems engineering practices: e.g., (i) Formulating high and low level software requirements from a system/functional specification, (ii) Drafting software test plans, and (iii) Verifying requirements traceability.
- Experience with embedded coding & test using microprocessors, FPGAs, DSPs, and ASICs.
- Familiarity with DO-178B (up to criticality Level B) for avionics SW development and test.
- Familiarity with FAA and RTCA aviation & avionics regulatory documents.
- FAA Designated Engineering Representative (DER) – Software category.