



In business since 1973, located in Redmond WA, Spectralux provides data communication and human interface products to business, commercial and military aviation markets worldwide. We offer complete engineering and manufacturing solutions to rapidly transform ideas and concepts into highly developed products for the aerospace market. Spectralux is looking for an Avionics Embedded Software Engineer to support the team in the late stages of a product development. Not only will you be a part of a design team but you get to work independently on your own designs and creatively apply your skills. It's dynamic, challenging and a great place to see your designs come to life.

Essential Functions and Responsibilities:

- Work with team members to interpret system level requirements into software requirements
- Develop, debug, test flight code changes.
- Modify / extend software test tools to support new requirements testing capabilities.
- Loading software and verifying and validating
- Create / modify DO-178B documentation including requirements tracing and code review artifacts.

Success factors/job competencies:

- Experience with C/C++ (embedded software and tool development)
- Python Scripting (used for automated test script and tool development).
- Knowledge of hw/sw interfaces
- Responsiveness to external and internal customer issues

Qualifications required:

- Bachelor's degree in Software Engineering
- Avionics experience
- Embedded software development experience

Qualifications desired:

- Software requirements development
- ACARS ATC FANS CPDLC message processing
- Avionics protocol knowledge (ARINC 429)
- Network communication protocols (TCP/IP, UDP)

Send resumes to scotth@spectralux.com **Scott Hudson** Human Resources Manager