

# Remote Principal Do-254 Fpga Engineer

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## About This Job

**Company: Belcan**

**Location: REMOTE**

**Category: Other-General**

REMOTE Principal DO-254 FPGA Engineer

Job Number: 357797

Category: -Software & Systems SBU

Description: A REMOTE FPGA Design Engineer with extensive DO-254 experience is currently available through Belcan at one of our key aerospace clients.

This position is for an FPGA designer whose first assignment will be to inspect the artifacts of an on-going development project to ensure adherence to the DO-254 guidelines.

To be considered for this role, you will have a Bachelor's degree in Electrical or Computer Engineering, and extensive experience designing FPGAs/ASICs. Experience in aerospace and defense projects is strongly preferred.

In this role, you will be responsible for front end RTL design based on Systems level and unit level requirements, design modules, simulating units to meet performance, and feature functionality.

Able to provide jr.

engineers with guidance in all areas for front end design including: RTL coding, fpga IP selection, synthesis place & route, developing constraints, clock and RESET considerations and simulation results analysis techniques.

## Job Duties:

- \* Review FPGA design and verification artifacts for DO-254 compliance.
- \* Inspecting design documents, requirements, trace matrix, verification cases, verification scripts, etc
- \* Understanding the rigors and requirements of SOI audits
- \* Understanding and verifying correct tracing from requirements to artifacts
- \* End to end FPGA development cycle under the DO-254 design assurance guidelines
- \* Develop engineering reports identifying gaps in the design artifacts in their adherence to the planning documents
- \* Generate detailed RTL design model to meet program feature and performance requirements.
- \* Meet all the documentation needs of an aerospace development project
- \* Support program deliverables, meet schedule milestones.
- \* Coordinate and Direct other members on the team to complete verification effort.
- \* Interface with customer in providing status and addressing opens, queries.
- \* Serve and a consultant in solving design issues, root causing bugs and meeting

## Qualifications:

- \* Bachelor of Science in Electrical or Computer Engineering, or related discipline, advanced degree preferred.
- \* Ten plus years of experience designing and developing front end design artifacts for FPGAs/ASICs from concept through production.

Aerospace experience required.

\* Extensive experience with design, documentation, debugging, root causing, timing, reset strategies, performance testing, corner case analysis and meeting the rigors of a DO-254 DAL-A design

\* Experience in DO-254 environment, documentation, process practices.

\* Strong knowledge of industry standard design tools and methodologies

\* Strong communication and collaboration skills

\* Due to the nature of the work performed, US CITIZENSHIP is a REQUIREMENT

We offer a competitive pay and benefits package.

This position is offering a salary range of \$165,000 to \$185,000.

Belcan considers several factors when extending an offer, including but not limited to education, experience, geographic location, and discipline.

Benefits offered may include health care, dental, vision, life insurance; 401(k); education assistance; paid time off including PTO, holidays, and any other paid leave required by law.

As an employee with Belcan, you will be part of one of the largest engineering firms in the United States.

We maintain a small company atmosphere as well as open communication at all levels of our organization, allowing for much more dynamic decision-making processes.

We offer flexible schedules as well as an excellent mentoring system to ensure that you have all the knowledge and tools you need to meet a diverse range of engineering challenges.

You will also have opportunities to advance to positions of greater responsibility, including management roles.

Your hard work and professional dedication will be rewarded with a competitive compensation package.

Build a challenging and rewarding career with an industry leader!

[www.belcan.com](http://www.belcan.com)

EOE/F/M/Disability/Veterans

Location: REMOTE , RE

Minimum Experience (yrs): 10+

Required Education: Master (MA, MS...)

Salary: 0.00 /hour

Benefits:

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