



**Job Title:** FPGA Engineer / Junior FPGA Engineer (D.O.E.)

**Department:** Engineering

**Reports To:** Senior Project Manager

#### Job Summary:

Vanteon is openly seeking applicants for FPGA Software Engineer positions. Depending on the applicant's level of experience, they may be classified as junior-level. In general, this role is responsible for the design and implementation of FPGA systems with the guidance of senior staff. This is an ideal position for a recent college graduate looking to jump into FPGA design.

#### Duties/Responsibilities

The following is a list of expected duties to be involved with the position. It is not fully inclusive, and additional ones may be assigned as determined by management:

- FPGA logic design and SoC (e.g. Zynq) design
- VHDL and/or Verilog Coding
- Analyze systems for developing System Requirement Specifications
- Develop detailed designs and technical documentation
- Finite State Machine (FSM) design
- Digital system architecture development & partitioning
- Collaborate with other engineers in design and integration efforts.

#### Required Specialized Skills/Knowledge

- Experience with FPGA configuration and hardware bring-up
- Basic knowledge of digital systems
- Basic FPGA design experience
- Excellent writing, analytical, and communication skills
- Highly motivated, well-organized self-starter

#### Desired Skills

- Proficient with Xilinx Vivado/Vitis, or Quartus tool chains
- Experience with Xilinx Zynq devices
- System Analysis and Timing Closure
- VHDL simulation (Vivado and Modelsim)

#### Education and Experience:

- Bachelor of Science in Electrical Engineering or Computer Engineering
- Preference to those with an MS and/or coop experience
- 1 years of experience with FPGA systems (Note: This can be a combination of project work, coops, or employment)

#### Other Requirements

- Training and regular duties require a physical office presence. Typical in-office expectation is 4-days/week in office (Pittsford, NY).
- Although minimal, some circumstances may require a weekly commitment above 40 hours or hours outside of regular business hours.

### Physical Requirements:

- Prolonged periods sitting at a desk and working on a computer
- Be able to perform low to moderately strenuous physical activities requiring standing, walking, and reaching.
- Must be able to lift up to 15 pounds at times.

The physical demands described above represent those that an employee must meet to perform the essential functions of this job successfully. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

### Equal Opportunity Employer

Vanteon Corporation provides equal employment opportunities to all employees and applicants for employment. It prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.

This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.

### Compensation Range

Although a candidate's specific compensation will depend highly on their specific skills and experience, the anticipated compensation range for this position is \$75,000 to \$95,000, plus a competitive benefits package.

Position is eligible for a variety of bonuses including, client referrals, employee referral, publications, and extra effort.

### Applying

Applicants should submit a resume and cover letter to Ronnie Ells – [careers@vanteon.com](mailto:careers@vanteon.com).

Please note that all offers for hire are contingent on passing e-verify, background and drug screenings. In addition, you must be able to work with ITAR and CUI data.

### About Vanteon

Vanteon is an engineering services company focusing on Wireless and RF design. We offer Analog, Digital, RF, Hardware, Software, and FPGA design services. At Vanteon, we develop products for companies that range from small start-ups to large Fortune 50 companies. The designs we create include Software Defined Radio (SDR), WiFi, Bluetooth, etc., for markets like telecom (3G, 4G, 5G cellular), Aviation, Medical, Government, Industrial, and more. Types of projects include handheld devices, wearables, RADAR, signal/spectrum analyzers, and wireless widgets of all kinds. Vanteon has been voted one of the "Best Companies to Work for in NY" for twelve years running; several of those times, we've ranked in the top 5. Working at Vanteon is like working at a dozen companies at once. It's tough to beat that kind of diversity in a job.