

## JOB OPPORTUNITY

### Senior Embedded Software Developer

3D 2021 ENG 002

#### COMPANY

3D Aerospace ([www.3daerospace.eu](http://www.3daerospace.eu)) is an European young start-up established in June 2018. We are located at Toulouse (France) and are developing an innovative new generation of GNSS (GPS / Galileo) mapping receiver.



3D Aerospace is currently developing two brands, DeVines and GaliGo. DeVines is part of the precision viticulture market, which brings together all the technological innovations related to viticulture. With DeVines, we offer an all-in-one solution, which combines several services in a single tool. GaliGo, our second brand under development, is part of the connected cities market. GaliGo offers a real-time updated traffic mapping solution and delivery network optimization.

## What you'll do /What do we expect from you

- Develop embedded application using variety of different toolchains.
- Work closely with the software and hardware team to understand the requirements and deliverables.
- Develop, Validation and Verification methodologies for efficient testing, focused towards finding critical defects in a timely.
- Developing memory Management solutions for Asynchronous Multi-processing design solutions.
- Delivering software solutions in line with product roadmap on time with high quality.
- Act as the technical reference person for the development of complex design for SoC based within the team of developers.
- Multi-task between projects when required, identifying priorities and effectively self-managing schedules and tasks.
- Be a self-starter, with commitment and accountability to productive remote work.
- Work with management team on project planning activities – creating project plans/schedule, risk analysis on the developed application.
- A big plus: Hands-on experience on development, integrate, release and upstream Linux kernel updates, drivers, QEMU extensions, the DSP framework, Yocto recipes, co-simulation environments, video drivers, power management drivers and firmware, Soft IP drivers, Petalinux Tools, boot code, system firmware and U-Boot on Zynq7000.

## Qualifications and Experience

Bachelor's and/or Master's degree in Computer Science, Software engineering, Embedded engineering or Electrical/Electronics. A minimum of 5 years of experience in electronics design and FPGA programming.

Excellent communication skill for working remotely with global team

## Skills Requirement

- Architecture: Zynq7000, FPGA tool flow
- Programming languages: RTL using Verilog/ System Verilog, VHDL, C/C++
- Software Tools: basic understanding of RTL simulations, timing analysis
- Previous technical leadership experience
- Technological Environment: Familiar with any EDA tools like ISE, Vivado, Eclipse, SDSoc, Petalinux/build root)
- Good English language skills (verbal and written) and able to lead technical discussion.
- Some exposure and experience developing RTOS based applications.
- Familiarity with GIT, software version control best-practices.

- Strong analytical, problem solving resourcefulness and Time management.

### What you can expect from us

3D Aerospace is a small team of passionate and hard worker people. Our small size is actually one of our main strengths as it provides agility, flexibility and a sense of family-size company. Our organisation is based on daily scrums and monthly milestones review.

### Additional Information

**JOB ID :** 3D\_2021\_ENG\_002

**Location :** 3 Avenue Didier Daurat, 31400 Toulouse, France

**Job Duration:** Permanent contract

**Salary:** Based on experience

**Application process:** Please send CV to [contact@3daerospace.eu](mailto:contact@3daerospace.eu)