

Job Title: Freelance Developer for 3MF Consortium
Organization: 3MF Consortium
Location: Remote
Contract Type: Freelance
Reporting to: Technical Director, 3MF Consortium

Overview:

The 3MF Consortium, a not for profit entity focused on developing an open source file format for additive manufacturing, is seeking a qualified Freelance Developer.

The role will be responsible for maintaining and extending the 3MF codebase and associated documentation. This codebase serves as the foundation for a diverse range of 3D printers, spanning consumer-grade to industrial systems and ensures the ongoing robustness of the 3MF standard in real-world applications.

Responsibilities:

Maintain and extend the official 3MF Consortium Open Source Library. (GitHub repository: lib3mf)
Oversee build systems, documentation, and language bindings.
Develop and maintain packages for major package repositories, including NPM, pip, vcpkg, and Debian.
Generate open source code examples and use cases to promote 3MF data interoperability.
Collaborate with 3MF Consortium members on cutting-edge specifications and proof-of-concept code implementations.

Qualifications:

Strong proficiency in C/C++.
Familiarity with build systems and package managers.
Experience with CAD, CAE, CAM and Design for Additive Manufacturing is a plus.
Strong communication skills for effective collaboration.

Benefits:

A unique opportunity to influence additive manufacturing across a broad range of products and workflows.
Gain comprehensive knowledge in CAD and DfAM, encompassing meshing, NURBS geometry, latticing, slicing, and volumetric design.
Engage with experts in the field of design, geometry and manufacturing.

This role is an external contract position. The individual engaged in this role will not be an employee of the 3MF Consortium, the Joint Development Foundation, or the Linux Foundation.

How to Apply:

Interested candidates should send a resume and cover letter to 3mf@bits-to-atoms.com