



Comet Solutions, Inc.  
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Cincinnati, OH 45202  
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## **TITLE: Senior Software Engineer**

**Location: Albuquerque, NM; Cincinnati, OH; Metro Detroit, MI;**

Comet Solutions, Inc. provides software-based engineering solutions used by product development workgroups within manufacturing companies to make better conceptual design decisions, complete multi-disciplinary design evaluations rapidly by automating time-consuming simulation processes. Within Comet's Performance Engineering Workspace, engineering analysts capture simulation knowledge, processes and models (i.e. engineering intent) in templates which enable simulation experts to work more effectively and also enables non-experts to run complex simulation studies starting earlier in the product design process. Comet Solutions offers a challenging career full of opportunities and progress. We are looking for energetic and ambitious professionals who can think outside the box and are driven to succeed.

### **Job Description:**

Comet Solutions is seeking a senior software developer in designing and developing our flagship product with a primary focus on CAD functionality.

The successful candidate will participate in all aspects of software development but will have a focus on enhancing and maintaining and enhancing the geometric features within Comet. This is a high impact role for the company's success because a major competitive advantage of our product is the bidirectional associativity between Comet and external CAD tools. Engineering domain knowledge and experience with an end user commercial software is highly desired.

### **Requirements:**

- MS or equivalent degree in Computer Science and/or Civil, Mechanical, Aerospace Engineering.
- Proven experience in object oriented C++ design.
- Design and development of architectural components for large scale software systems.
- Solid understanding of CAD data structures.
- Experience with one of more of the commercial CAD kernel api e.g. Pro/E, Solidworks, UG NX, Spaceclaim etc or a geometry kernel like ACIS, Parasolid.
- Some level of understanding in the CAD/CAE. Experience with one of the commercial CAE software like Hypermesh, Ansa preferred.