

At Anark our **Senior 3D CAD Engineer** is responsible for the development of critical integrations with 3D CAD systems. This position works with a team of motivated engineers to plan software releases that adhere to customer requirements within business-acceptable timeframes.

The ideal candidate will have experience developing 3D software on the Windows platform. Additional CAD specific knowledge/experience is very helpful. As a CAD Engineer you will maintain and enhance CAD adapters that are used to import complex 3D product data (product structure, geometry, attributes, MBD model views and PMI data) and publish visualization data into Anark Collaborate platform for downstream use cases. CAD adapter integrates with CAD systems using CAD software APIs and uses third party libraries for neutral formats like STEP.

Required Knowledge and Skills

- Strong C# programming skills.
- Experience with 3D data.
- Additionally, programming experience in one or more of C/C++, C#, C++/CLI, or similar languages such as Java.
- 3D basic understanding of BREP and polygonal mesh data, scene graphs, DAGs, and transformation matrices.

Desired Skills (Which combo do you bring?)

- Experience integrating with CAD software libraries.
- Understanding of STEP and other 3D concepts.
- Experience using best-practices design/architectural patterns and loosely coupled component-based programming.
- Experience with agile development methodologies including Test Driven Development, and a propensity for refactoring code.
- Experience using Microsoft Visual Studio and Azure DevOps.
- Basic knowledge of automated testing, such as writing unit tests.

Required Education

- BS in Computer Science, Aerospace Engineering, Mechanical Engineering, Electrical Engineering, or equivalent.
- 5-8 years of professional software development experience.

Company

Anark is a leading provider of intelligent information management (IIM) software and solutions for technical industry, enabling engineering, procurement, manufacturing, and field service organizations to publish and manage technical content, for access and collaboration workflows across the extended enterprise—yielding faster iterations, reduced material waste, and higher-quality products and services with substantial cost savings.

Anark helps market leaders such as GE, Boeing, Lockheed Martin, Allison Transmission, Johnson & Johnson, Cisco, Ericsson, and TE Connectivity with their Digital Transformation, leveraging smart technical content to streamline procurement, manufacturing, and field service operations.

Culture, Compensation, Citizenship and more

Come work in a cutting-edge, exciting, fun, energetic, friendly, and supportive work environment.

Anark Corporation strives to be a “change the world” innovator. Anark offers a competitive salary, performance bonus plan, stock options, 401(k) retirement program with employer match, and a comprehensive and generous benefits program. A background check will be performed on all qualified applicants prior to an offer for employment.

Within our inclusive environment, engineers "have a say" and the ability to work on a variety of challenging projects. We are building out our NextGen products in the enterprise, cloud-enabled and SaaS space. A great place to learn and grow as we offer a very open and collaborative atmosphere. Anark offers very competitive pay, our engineers starting base salary is 110,000 - 130,000 depending on skills, experience and the specific role. We also offer equity, bonus, 100% employer paid full medical benefits, learning and fitness perks and much more. Consider joining Anark if you are looking for a long-term career home where you can become a significant contributor. Sorry, no contractors, 3rd parties or agencies please.

Please send your resume to recruiting@anark.com

Thank you!

This position requires either US citizenship or US permanent resident legal status.