CDS
COGNITIVE DESIGN SYSTEMS

Lead Software Engineer

Cognitive Design Systems (CDS) is a newly established tech startup based in the center of Toulouse, France, the core of the aerospace industry's innovation and talent. Our company is a multicultural organization made of talented engineers brought together by a common mission, to develop the best all-in-one generative design platform.

We are looking for a Lead Software Engineer to join our growing team, the ideal candidate would have a strong experience in software development in the 3D modeling or engineering field.

Job Description

As a Lead Software Engineer, you will be responsible for overseeing the development of our platform. As part of the core leadership team, you will report directly to the CTO and collaborate with developers and engineers to shape the product, guide software development efforts, and ensure the delivery of high-quality solutions.

Role & Responsibilities

- Lead a team of software engineers and developers, in a collaborative and innovative work environment
- Provide technical guidance and support to the team, ensuring adherence to best practices and coding standards
- Collaborate with the CTO, product managers, and stakeholders to help defining the product roadmap and development priorities
- Code advanced design algorithms for numerous applications
- Program high-quality software using best practices
  (test-driven development, continuous integration and agile methodologies)
- Participate in architectural discussions to ensure scalability, modularity, and maintainability of the developed platform and solutions.

Requirements

- Bachelor's or Master's degree in Computer Science, Engineering, or related field.
- Programming languages: **Python, Javascript, Typescript C, C++**
- Frameworks: **Django, React, Three.js, Babylon.js, WebGL**
- Proven track record in leading software development teams and successfully delivering complex projects.
- Experience with setting up CI/CD pipelines
- Ability to resolve highly complex problems and implement well-performing algorithms and procedures sourced from literature and research papers
- Comfortable in working on mesh, voxel, and point cloud data

Appreciated Skills & Knowledge

- Knowledge in Manufacturing and Industrialization processes (3D printing, Milling, Casting, …)
- Experience in using VFX or 3D software software (Houdini, Blender, etc)
- Versatility in learning new software and concepts
- Out of the box thinker, creative mindset
- Capability to work under tight deadline and in a fast-paced environment
- A portfolio of previous work and achievement would be appreciated

Compensation & Benefits

- Competitive salary based on qualifications and experience
- Discretionary bonus based on performance
- Contract type: CDI
- Participation in Company growth (stock, vested interest)
- Flexibility in working from home

Contact Us

info@cognitive-design-systems.com