

Full Stack Developer

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 Senior Full Stack Developer to join our growing team, the ideal candidate would have experience in engineering design or 3D modeling.

"At CDS, we believe that creativity and ingenuity are essential to evolve beyond process constraints in bringing designs to life."

Role & Responsibilities

- Lead and coordinate a team of developers (Front & Back)
- Collaborate on architecture decision and integration plan
- Ensure code quality and robustness, meet deliverables timelines for go-live
- Integrate our multiple scripts and algorithms into a single and cohesive package software
- Code advanced design algorithms for numerous applications
- Program high-quality software using best practices (test-driven development, continuous integration and agile methodologies)

Requirements

- Existing experience in **software or web apps development** – ideally 8+years
- Ability to resolve highly complex problems and implement well-performing algorithms and procedures sourced from literature and research papers
- Good understanding of the following: Linear algebra, Digital signal processing, Algorithms and Data Structures
- Programming languages: **Python, C/C++, React, Angular, JavaScript**
- Comfortable with 3D geometry concepts (mesh, voxel, point cloud data)

Appreciated Skills & Knowledge

- Knowledge of Manufacturing and Industrialization processes (3D printing, Milling, Casting, ...)
- Experience in using VFX software (Houdini, Blender)
- 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

Compensation & Benefits

- Negotiable salary based on qualifications and experience
- Discretionary bonus based on performance
- Contract type: CDI
- Participation in company's growth (stock, vested interest)
- Flexibility in working from home / transportation subsidies
- Company benefits (food, drinks, events)

Contact Us

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