

## Lead Software Developer:

### About us

PlanOpSim is a young engineering company focusing on optics and photonics. PlanOpSim develops a numerical simulation software to model and design metasurfaces. Metasurfaces ( for example nano-structured lenses ) are an upcoming field in the nano-photonics industry. PlanOpSim's software is used for the design of nano-structured photonic components in numerous domains like telecom, VR/AR devices, holography, medical, automotive and metrology by R&D departments and research centres across the globe (our clients are based in for example the US, Hongkong and India). We support multiple companies and universities over a wide range of technologies as technical consultants next to providing software.

PlanOpSim is a start-up located in Ghent, Belgium, in the heart of a thriving region for photonics technology.

### Job description

As Lead Software developer your primary responsibility will be leading PlanOpSim's software development both as an active developer, coaching junior developers, and coordinating development with external freelancers.

You will coordinate the efforts of your colleagues by functional analysis of additional features, translating them into clear task descriptions for the software development team. Assess the impact of implementation choices on software performance and provide clear guidelines to the product owner on the impact of new developments. Regularly you will also do implementation yourself.

You will set up and ensure adherence to robust and high quality software development practices in terms of deployment, quality assurance and documentation.

Typical tasks will include:

- Analysing functional requirements and outlining implementation effort.
- Coordinating workload between the development team
- Coaching junior software engineers
- Implementing CI/CD pipelines for software deployment and quality assurance

Depending on your interest, tasks like coaching clients towards the highest level of comfort and efficiency when using our software or exploring new business opportunities for PlanOpSim can also be taken up.

### Your profile

The ideal candidate would have:

- A Master's degree (M.Sc., Industrial or Civil Engineer) in Computer Science, Electronics Engineering, Physics or equivalent through experience
- 2+ years experience in software development. Technology stack: Python (Django) + Javascript (React)
- Experience with AWS
- Fluent proficiency in English, speaking Dutch is a plus
- A self-starting personality, who takes initiative and communicates clearly and openly

The following are considered an extra advantage:

- Experience in computational science
- Prior knowledge and experience with optical technology
- Experience with C++ and other programming languages

### **What we offer**

You will receive a competitive salary in line with your level of experience. An additional remuneration in company shares or stock options is available if interested.

You will be joining a fast growing start-up and have a strong impact on the company's growth and future direction.

By joining PlanOpSim you will be working at the cutting edge of technology with many opportunities for personal and professional growth. As a young technology company we foster an open and flexible work environment.

### **Contact:**

Send in your résumé and application letter to [lieven.penninck@planopsim.com](mailto:lieven.penninck@planopsim.com)