

Software Development Engineer – Customer applications (32-40hrs)

Join the pioneers of PhotonFirst

Since 2006 PhotonFirst (formerly Technobis) is pioneering in the research, development, engineering and production of Integrated Photonics Sensing modules and systems for a broad range of critical applications in aerospace, medical equipment, mobility, energy, and high-tech systems. Since January 1st, 2021, the photonics activities have been carved out to prepare for a fast growth to a leading worldwide position in its field. PhotonFirst is an innovative, pioneering company in integrated photonic sensing, with a technology that is unlocking the power of the photon in a wide range of applications.

You provide the solution to the customers' sensing need

At PhotonFirst, the application development team bridges the gap between the available technology and the customers' need for data. You align with the customer their needs for user interface & data analysis of the customized photonic sensing system needed for their application. You are a key player in the entire application development trajectory: from teaming up with sales, to understanding the requirements of the customer, to translating these into the technical requirements of the system, designing & testing the system, making sure that the customer is satisfied with the delivered solution and to follow-up in support. You develop and build customer specific applications based on our core library of existing software modules.

Your tasks & responsibilities are broad

- Front-end development having affinity with, and knowledge of back-end design. You are responsible for the high-level development of software from user requirements, to final release. You are part of the entire development trajectory, from start to end, with the freedom to incorporate your own ideas.
- You are able to interpret measurement data from the photonic systems and translate that to key parameter indices to be used by the customer
- You are able to understand user requirements and translate them to detailed software requirements
- You work closely together with the software development team; you act as a software product owner by providing them input for the software development roadmap.
- You are a team player, and take ownership of projects assigned to you.
- You provide clear and effective communication with the sales team and the customer
- You provide timely support to the customer when needed. You feel responsible for their questions and problems, and you strive for effective solutions.

Direct reporting line

The Software Development Engineer reports to the Team Lead Application Development, Projects & Support.

Education

- University of applied science (HBO) degree in software engineering, (technical) computer science, applied physics or similar with programming experience

Experience/skills

- You have 3 or more years of experience as a software engineer or developer
- You are an experienced C and C++ programmer
- You have knowledge of Python
- Analytically skilled, you have the ability to translate complex user stories into a software design
- You have affinity with data processing & data analysis
- You have experience with a professional software development environment: structured and modular development, automated (unit) testing, change control, automated pipelines and release management
- Knowledge of documentation: coding standards, commentary, version management
- Excellent communicator in English, both verbally, in writing and presenting
- Proficiency in Microsoft Office (PowerPoint, Word, Excel)

Pré

- Knowledge of data cloud / networking
- Knowledge of MATLAB, LabVIEW
- Physics background

Availability

Since this is a new job in a fast-growing company, we prefer a full-time commitment but 32-36 hours is an option. You preferably work from our Alkmaar headquarters, but we have a hybrid working policy allowing you to work 2 days from home if the work permits.

Personality characteristics

PhotonFirst is a young and maturing professional organization. We have developed a strong pragmatic team mentality in which we work and experiment together to achieve common goals. We are looking for a wide diversity of people coming from different backgrounds to join our organization. We have formulated the following personal traits contributing to our professional mentality:

- Passionate team player taking ownership
- Open, straight, result driven and can-do mentality
- Pioneering, creative, flexible, and entrepreneurial
- Perseverant, professional, and well structured
- Friendly & 'fun to work with'