

FULL-STACK SOFTWARE ENGINEER C++

Title: Full-Stack Software Engineer C++

Team: Development

Location: Bayonne (France), Göteborg (Sweden)

Starting date: As soon as possible

ADAXIS is a robotics software company which unlocks the potential of new manufacturing processes. Our technologies make industrial robotics accessible and usable for everyone. We want to contribute to a more robust, resilient, and sustainable industry.

Our principal product, AdaOne, lets users exploit robotic arms as flexible 3D printers for metal, plastics, composites, and concrete. It includes everything required to transform a robotic arm into a 3D printer: program generation, simulation, and real-time supervision. AdaOne is used worldwide by a broad variety of entrepreneurs, researcher and manufacturers in the aerospace, aeronautics, energy, transportation, and retail industries to manufacture and repair complex and innovative parts. Our community pushes the boundaries of innovative industry every day through their collaboration with ADAXIS.

The role

We are seeking a software engineer to join our development team and help surpass the limits of how robotic arms can be used for additive manufacturing. You will join a multidisciplinary team responsible for developing our software AdaOne. Your focus will be our backend architecture where you will work on challenges in for example path planning, advanced kinematics, multi-physics modelling or 3D rendering.

Who you are

Suitable candidates have a confirmed record of application development in C++ and a deep understanding of object-oriented programming, data structures and algorithms. The understanding of the various methods of 3D representation and kinematic modelling of mechanisms will be appreciated. Previous experience in geometry processing, robotics architecture or hardware acceleration is a bonus. To thrive in this role, we believe you are curious and eager to find solutions to challenging problems. You enjoy being part of a team and working hands on to create well designed software and intuitive products.

We consider the following background suitable for this role:

- Engineering degree or equivalent in software development or applied mathematics,
- 3 to 6 years of experience with commercial software development in C++.

The knowledge of versioning tools, continuous integration tools, and automated tests are strongly expected. Excellent communication skills in English are mandatory.

Our company

ADAXIS was launched in January 2021 by a French-Swedish team of technologists, following years of applied research into using industrial robotics for advanced manufacturing at ESTIA and RISE. The team collaborated during a pan-European research project where they shared the same will to reimagine the potential of industrial robotics and find the solution to the time-consuming and complex task of programming industrial robots. ADAXIS was formed to solve this problem by bringing a new intuitive and powerful software for robotic additive manufacturing to market.

ADAXIS is today an international passionate team of engineers, designers and roboticists who push the creative and economic potential of industrial robotics. We help world-leading companies to manufacture modern innovative and sustainable products.

ADAXIS has won the Boost Up! prize awarded by European Institute of Innovation and Technology and holds the i-Lab prize awarded by the French Ministry of Higher Education and Research honouring the best French innovations. ADAXIS is labelled Deep Tech and Young Innovative Company by Bpifrance since its inception.

Terms

Our offices are based in Bayonne, France and in Göteborg, Sweden. Candidates can choose between these two locations. These environments are ideal for combining cutting-edge technological work with a heavenly setting for living. The starting date is expected as soon as possible.

We favour working on our sites to encourage the maximum use of the various robotic cells made available to developers to validate their development. Working from home can be considered from time to time to facilitate personal organization.

Application

Applications should be sent to career@adaxis.eu.