

Senior Software Engineer

Did you know that software can make the difference?
Did you know that your code could save lives?
We offer you this opportunity!

Your job

As a senior software engineer, you are part of an agile development team building and working on software systems developed by Avia-GIS fitting in the VECMAP software suite. The senior software developer is involved in all areas of development from design to development to testing. You report to the IT Director. You will also liaise with the product support and R&D teams.

About us

With Avia-GIS NV we develop state-of-the-art Spatial Risk Assessment tools to assess the risk of introduction, establishment and spread of vector-borne diseases such as Dengue, Chikungunya, Zika or Lyme disease. VECMAP® is our award-winning innovative software and is the main focus of this role. We are bringing VECMAP® to the market and expanding our software portfolio by developing additional solutions for the Integrated Pest Management market.

Our main offices are located in Belgium, and you will be based in Zoersel. We have overseas offices in South Africa and Guadeloupe (Caribbean). Due to the rapid expansion of our company we are looking for highly motivated Software Developers to join our experienced IT team.

See also: www.avia-gis.com

Your duties and responsibilities

You report to the IT Director.

You will:

- Lead the development and enhancement of cutting-edge spatial and mathematical modelling and analysis tools and integrate these into our products.
- Work closely with our R&D department to align the latest technology with our IT implementations.
- Design, develop, and unit test applications in accordance with established standards.
- Participate in peer-reviews of solution designs and related code.
- Prepare reports, manuals and other documentation on the status, operation and maintenance of software.
- Work with teammates on the development of applications and technologies according to the current state-of-the-art as needed.
- Analyse and resolve technical and application problems and bugs.

Desired Skills & Experience

Minimum Requirements

Bachelor or master's degree in engineering, Computer Science or a related discipline with an open mind and a strong desire to learn with preferably 3-5 years' experience.

Core Competency Requirements

Experience with spatial modelling and analytics
Experience with ordinary differential equations (ODE) and delayed differential equations (DDE)
Knowledge of machine learning and statistical modelling (in particular, regression)
Experience with software engineering and programming algorithms
Experience working with and processing spatial files (vector/raster)

Preferred Competency Requirements

Microsoft C# .NET development (.NET Framework, .NET Standard, .NET Core, WinForms)
Experience with R and GDAL
Knowledge of F# .NET

REST
JSON
Git

Scrum/Agile
Atlassian (JIRA + Confluence)
NoSQL or SQL

We offer

A full-time position in an innovative growing company
A pleasant working environment in an open office shared with a dynamic international team
An attractive salary and benefits
A mobility package that fits your needs

How to apply for this role

To apply please send your CV and a covering letter explaining why we should consider you for this role to:

Bart DE GROOT, IT Director: bdegroot@avia-gis.com
Leen VAN GORP, HR: lvangorp@avia-gis.com

Or use the on-line form: <https://www.avia-gis.com/careers>