



## Job Description

### AMF profile

Against Malaria Foundation (AMF) was founded in 2004 and is a charity that fights malaria in a highly effective, accountable and transparent way.

We do this by purchasing and distributing multiple millions of long-lasting insecticide-treated nets (LLINs) at a time in nationwide universal coverage campaigns. This is the most cost effective way of preventing malaria. AMF receives donations from the public and in the last financial year received US\$120m. AMF is particularly data-focused and monitors and reports on net use and drives and supports innovation to improve the effectiveness of malaria programmes.

AMF has been rated a top charity for all of the last 14 years by independent charity evaluators GiveWell and The Life You Can Save who focus on cost-effectiveness and impact.

We are a team of ten highly motivated individuals with different skills and experience. Each person has an important role to play. All team members work remotely with constant communication between them. While the team is small, the impact is big - our net distributions protect millions of people. Our largest programme is in the DRC, where we are funding 52 million nets to protect 95 million people for distribution during 2021 to 2023. We have ongoing multi-million net programmes in other countries including Uganda, Nigeria, Guinea, Togo and Chad.

Our activities and commitments have grown over time and AMF is now the world's third largest funder of nets. In the coming years, we expect to buy and distribute between 25 and 50 million nets per year.

### Technology

A bespoke technology system is at the heart of what AMF does. It allows us to run net distributions with high levels of accountability, e.g. knowing how many nets go to every one of the millions of households to which they are distributed, and manage the more than 180,000 donations AMF receives each year and let donors track where the nets funded by their individual donation/s are distributed.

Our activities and commitments are steadily increasing, and AMF continually develops its internal technology systems and functionality.

### Software Engineer

AMF is recruiting a senior full stack developer, specialising in .Net and SQL Server. They will report to, and work closely with, AMF's Head of Technology, but will be able to take projects from initial analysis through to completion.

Candidates should have a keen interest in leveraging technology to help improve accountability, transparency, and accuracy of data collection, in a fast-paced environment, dealing with complex issues and people with various levels of IT experience. They would be proficient in a number of different skill sets, each of which would normally, in a larger team, be covered by individual specialists. They must have very good analytical skills and a degree or higher in a Computer Science or related (STEM) subject.

## Skills and experience

### Coding

- Latest .Net, C#, SQL Server; competence level: excellent; likely years' experience: 5+
- Experience of Razor pages and .Net Entity Framework would be beneficial
- HTML, CSS, JavaScript/jQuery, Responsive design

### General

- Strong analytical capabilities – for both website functionality and database design
- Able to react quickly to any critical issues which may arise
- Able to focus on detail whilst retaining the bigger picture
- Project/time management skills, self-motivated with the ability to work to deadlines
- Strong communication skills at both a technical and non-technical level

### Additional skills

- Knowledge of non-web coding – i.e. console apps, desktop apps, web services – which may be required to support the site or back-office users
- Knowledge and experience of source-control solutions (specifically Git)
- Python and Jupyter notebooks experience for initial analysis and preparation of data would also be beneficial
- Awareness of social media platforms and how to best integrate/exploit them
- Fluency in French would be desirable

## Typical responsibilities include

### Database

- Designing and structuring a relational database using SQL Server
- Writing SQL and knowledge of optimisation
- Security of the database, connections, and audit trails for any sensitive or critical tables
- Experience of importing/exporting data for reports etc.

### Web Front end/Coding

- Ability to design/code front-facing (public) site and a private 'back-office' site, with user-based security for reports and business functionality
- Good User Interface (UX) design knowledge
- Code management and deployment
- Knowledge of security issues – protecting against hacks/attacks, SSL certificates
- Knowledge of design architecture

The balance of responsibilities, including over time, will depend on the level of experience.

## Job details

Salary: £50,000 - £60,000 (depending on experience)

Company contributed pension scheme

25 holiday days per year + bank holidays

Location: Home-office and/or remote working in UK. All the AMF team work remotely.

## Application

Applicants should write to [SoftwareEngineer@againstmalaria.com](mailto:SoftwareEngineer@againstmalaria.com) with their CV and a one-page cover letter explaining why they are interested in and suitable for the position.

There is no current deadline for applications. We will evaluate candidates on an ongoing basis.