



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\$107m. 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 12 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 and Togo.

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 100,000 donations AMF receives each year and let donors track where the nets funded by their individual donation/s are distributed.

A key element of AMF's transparency and accountability is our Data Entry System (DES). It contains information about registration, distribution and monitoring at the household level for all distributions. It is used in several key ways: data entry by users in-country; monitoring and analysis by users in-country and AMF staff; and large scale analysis and reporting, leading to key decision making.

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

Software Engineer

AMF is recruiting a full stack developer, specialising in .Net, both C# and VB (though moving to entirely C#) and SQL Server, who will report to and work closely with AMF's Head of Technology.

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

- .Net 5, C#, ASP.Net, VB.Net, SQL Server; competence level: excellent; likely years' experience: 5
- 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 Stored Procedures and knowledge of optimising queries
- 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

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/Europe/Africa time zone. All the AMF team work remotely.

Application

Applicants should write to SoftwareEngineer1021@againstmalaria.com with their CV and a one-page cover letter explaining why they are interested in and suitable for the position.

The deadline for applications is 18th March 2022