Job Description

AMF

Against Malaria Foundation (AMF) is a charity that fights malaria in a highly effective, transparent way, leading to successive top rankings from charity evaluators such as GiveWell, and The Life You Can Save. AMF receives annual donations of approximately US$40 million and uses these funds to purchase and distribute long-lasting insecticide-treated nets. AMF also engages in and supports innovation to improve the effectiveness of malaria programmes.

We are a team of seven 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. We have just funded 11.8 million nets for distribution in the DRC, which will protect approximately 20 million people, and have ongoing multi-million net programmes in Uganda, Malawi, Ghana, Guinea and other countries.

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 100's of 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 will be developing significantly its internal technology systems and functionality.

Full Stack Developer

AMF is recruiting a Full Stack Developer, specialising in ASP.Net, VB.Net 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 have to be proficient in a number of different skills, 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
- ASP.Net, VB.Net, SQL Server; level of competence: excellent; likely years' experience: 5
- .Net Core, C#; level of competence: good; likely years' experience: 1 to 2

General
- Strong analytical capabilities – for both the 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
- Strong project and 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 nonweb 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 for code (specifically Git)
- Awareness of social media platforms and how to best integrate/exploit them

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
- HTML, CSS, JavaScript/JQuery, Responsive design
  Web coding platform – ASP.Net & VB.Net
- Ability to design/code front-facing (public) site and also a private 'back-office' site, with user-based security for reports and business functionality
- Code management and deployment
- Experience of setting up a complete solution – including managing domain names, web server configuration, error handling, SMTP email servers
- Knowledge of security issues – protecting against hacks/attacks, SSL certificates
- Good User Interface (UX) design knowledge
- Some knowledge of design architecture

Job details
Salary: £50,000 plus pension
Location: home-office and/or remote working (all the AMF team work remotely) in UK / Europe / Africa time zone.

Applicants should write to fsd1019@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 6th January, 2020.