Software Developer with R

1 message

Mauro Lepore <maurolepore@gmail.com>   Sun, Apr 21, 2019 at 4:09 PM
To: jobs@2degrees-investing.org

Dear 2° Investing Initiative,

Your open position for a Software Developer with R seems to nicely match my skills. I would love to use my experience in R software development and climate change research to support your mission. Please see my cover letter and resume attached.

I look forward to hearing from you soon.

Best regards,
Mauro

PS: I also include my cover letter below in case you can't open .docx files.

COVER LETTER

Dear 2° Investing Initiative,

I am very interested in your open position for a software developer with R. I would love to use my experience to fight climate change. Here is how my skills match what you are looking for:

A R Coder/Software Developer who is passionate about having a meaningful, global impact

• **I am an R software developer**. I work at the Smithsonian Institution for a global network of researchers who aim to better **understand and predict forest dynamics in the face of climate change**. (Unfortunately, the available funds will run out soon so I am seeking new opportunities.)

• I am passionate about having a meaningful, global impact. For example, one chapter of my **PhD thesis** (Chapter 2) explored the potential of a coral reef system to constitute a **refuge for corals from global warming**. I also co-authored **this paper** exploring how **historical data can help us make better conservation decisions**.

Genuine interest to improve our code/software infrastructure and related services

• In my current role, for example, I **created a GitHub organization** with multiple repositories, transformed legacy code from a collection of functions to **a collection of R packages** *sensu stricto*, created a **blog**, an internal **slack work space**, **tutorials** (see Tutorials tab), and a **custom CRAN-like repository** to manage and serve the release of internal packages.

Experience in library creation including application of continuous integration services to ensure code quality

• In my current role, for example, I built four main libraries (a.k.a. packages) and a meta-library that installs them all with a single R command (fgeo). All libraries are well tested (e.g. here, and here), and connected to a **continuous integration service** so that every change **automatically builds, checks and deploys each library and its associated website.**

Strong R skills (3+ years' experience in software development with R in a working context), proficiency with git

- I am **proficient with Git**. Over the past year, I have **pushed to GitHub over 5500 commits**.

- I have about **five years of experience developing R software for work**. From 2013 to 2017, I developed R software for my doctoral and postdoctoral research. Since August 2017 my official job title has been "R package developer". Beyond my paid work, I regularly contribute to the R community.

A pro-active problem-solver with strong analytical skills and a good sense for code quality

- I **solve problems pro-actively** every day. In my current role, I am the only software developer. I find solutions **independently**, often in books, blogs or by asking other R developers online (I reach excellent R developers on the private slack work space of rOpenSci).

- I developed strong **analytical skills during my PhD and postdoc**.

- I developed a good sense for **code quality via workshops** (e.g. Building Tidy Tools), and **books** (e.g. R packages, The pragmatic programmer, Code complete, Refactoring, etc.).

Further technical expertise, such as web development, data visualisation, GUI development (e.g. with RShiny) as well as experience with SQL and Docker is very welcome

- I have **experience building websites** for R packages, blogs, **RShiny apps**. I also have some experience with **SQL queries**.

Fluent English

- I am very **fluent** in English. I have **lived in English speaking countries for almost 10 years** now.

I am happy to discuss your needs and negotiate creative solutions to start working as soon as possible. For hiring purposes, you might want to know that I am a citizen from Argentina and Italy–meaning that I can work legally in Europe. In addition, I am two years into a US H1B visa, meaning that a new US employer can transfer and use my visa for another four years.

I look forward to meeting you soon. I would love learn more about your mission and further discuss how I can contribute to it.

Best regards,
Mauro

maurolepore@gmail.com
LinkedIn
Recent contributions to the R community

---

2 attachments

📄 **mauro-lepore_cover.docx**
19K

📄 **mauro-lepore_resume.pdf**
5100K