Developer/Software Engineer

Bee Informed Partnership (BIP) is a national 501(c)(3) nonprofit organization focused on honey bee health looking for talented individuals to join our IT team as contractors.
- Contribute to efforts to support honey bee health and beekeeping
- Work on a wide range of IT projects
- Network with a wide range of BIP staff and stakeholders
- Work remotely

Looking for Work with Meaningful Impact?

Bee Informed Partnership (BIP) is looking for contractors to help us develop and maintain BIP's mobile applications and database. BIP maintains an online Django and PostgreSQL database application to structure data collected from our React based mobile application, as well as data files obtained from collaborating honey bee health diagnostic labs. BIP's end users access this system to administer various programs in beekeeping and honey bee research.

Major projects and activities include:
- Maintaining current IT solutions (mobile application, server, database)
- Improving on and developing new solutions for data entry and structuring
- Helping improve on data outputs
- Being proactive and responsive to issues affecting the accessibility and use of applications in the field in real-time or within tight time frames
- Soliciting staff feedback as part of iterative design process

Qualifications and Skills

Proficiency in:
- HTML
- CSS
- Javascript
- Front end and back end frameworks
- GitHub

Experience with:
- Python
- Django
- Django REST framework
- SQL
- Reactjs
- React Native
- JQuery
- writing unit tests

- data visualizations (e.g. Highcharts)

Familiarity with:
- Platform as a Service solutions (specifically Heroku)
- CI/CD products (specifically CircleCI)
- Google analytics
- Field data collection design with Esri GIS products

Knowledge of the following a plus:
- AWS, RealmDB/Embedded databases for offline-first applications, data processing and analytics libraries (NumPy, SciPy, pandas, R), Ruby/Ruby on Rails, NodeJS/SailsJS
- Experience in agricultural or biological sciences
- Experience or knowledge of bees and beekeeping

Additional Requirements
- Ability to work both independently and collaboratively
- Strong desire to improve systems to improve staff and stakeholder (e.g. beekeepers, scientists, public) technology experience
- Ability to manage multiple tasks within deadlines
- Technical writing skills
- Strong creative and analytical skills
- Detail oriented, organized with strong proofing skills
- Strong communication skills and ability to discuss issues with staff and partners
- Access to internet and bandwidth for videoconferencing

Application Process
- Please submit cover letter and resume detailing your interest in nonprofit work and alignment with the contract requirements as well as your hourly rate
- Please list all relevant software and coding languages in which you are skilled
- Submit materials in one PDF to opportunities@beeinformed.org with the **subject line: IT Contractor [Last Name, First Initial]**
- Applications are reviewed on rolling basis and more than one contractor may be hired from this announcement

BIP's team of dedicated staff is spread across North America so we rely heavily on videoconferencing. The contractor will meet over videoconferencing with staff frequently to review projects, and in person with staff periodically at meetings or in the field.