



Senior Applications Software Developer

Akros – South Africa preferred, other locations considered.

What's so great about Akros?

At Akros, we bring innovative ideas for gathering and using data to development challenges through a “boots on the ground” approach. We've built our organizational culture and nuanced approach to implementation by being where our work is: in Southern Africa. Akros has been supporting government and partner counterparts from our home base in Lusaka, Zambia for over 10 years. This close, on the ground, partnership has helped to contextualize our work to ensure that we are only scaling the ideas and approaches which will work and will be sustained in under-resourced settings over time.

We have some exciting projects afoot! Akros is designing, building and implementing systems that make significant health impact in cost-effective ways. We are looking for an individual who is able to work with our field-based implementation teams, understand the field needs, and translate those to system design and modifications. Best candidates will be ready to jump in and work with our teams to expand an existing platform for smart 'spatial intelligence' data collection and intervention planning and take this approach to new areas of health. We envision this individual to also work with our implementation teams to understand existing country and use case context, and to configure and deploy the existing open source platform to swiftly meet the client needs.

Who are the people we are looking for?

Akros employs passionate, results-oriented self-starters who are willing to take the plunge with us. We are an energetic, fast moving team who often have to divide and conquer to get the job done. We are looking for people to invest in, to learn from, and to share and grow our lessons learned so far. And we are looking for those who can bring new ideas, new perspectives and new bursts of energy and innovation to our team. We have a deep history of people coming to Akros, coming alongside our founders, supporting the same vision they are seeing: to make tangible impact in sustainable ways for the vulnerable populations we are working among. Many past employees, consultants and fellows have created a lasting legacy at Akros through their own innovations which we have helped expand, and in some cases take to scale. If you have an idea that is going to create impact on global health and it fits within our wheelhouse - we are willing to help take that idea to fruition.

Responsibilities

- Collaborate with field based project team leaders to understand application requirements and recommend system enhancements and/or bug fixes.
- Manage in-house support structure for platform functionality and bug fixes
- Configure platform to meet client requirements
- Collaborate with a 3rd party software development firm to outsource software development tasks as you see appropriate. Monitor progress to assure results are achieved.
- Consolidate and develop an appropriate applications testing process to reduce the number of bugs discovered in the field.
- Design, architect, build large scale data collection and visualization systems
- Coordinate and balance priorities of multiple projects and deliverables
- Experience working with remote teams

Essential

- Minimum 3 years programming production web applications
- Minimum 3 years programming in Python, JavaScript, and Java
- Minimum 3 years experience working with PostgreSQL
- Minimum 3 years experience with Mobile application development (Android).
- Minimum 3 years professional experience working with React framework
- Strong understanding of OO programming, design patterns (e.g. MVC), data structures and algorithms.
- Strong knowledge of software development methodologies and best practices.
- Strong attention to detail and understanding of architectural dependencies.
- Strong troubleshooting and problem solving skills.

Desirable

- Experience with AWS or similar distributed architecture
- Experience with Apache Superset, Apache NiFi and Apache Beam

The appropriate candidate will possess:

- Demonstrated data system design and data visualization expertise.
- A depth of international travel experience and past positions working in cross-cultural environments
- Ability to learn new topics and settings quickly and turn that learning around to create solutions to problems
- Experience operating in a developing world context (if international)
- Technical writing capability
- Demonstrated ability to operate with minimal instruction in a fast-paced environment

Location and Term

1 year position, option for potential extension. This position is located in South Africa

Application Instructions

Candidates will be interviewed on a rolling basis and are encouraged to apply early. To apply, please submit a cover letter and CV with references to careers@akros.com with **“Application: Snr Applications Software Developer”** as the email’s subject line.