SOLTRAK

SOLTRAK SOFTWARE DEVELOPER INTERNSHIP

Overview:
SOLTRAK is looking for a young software developer with a passion for coding and green energy to join our team for a 6 month internship in Black River Office Park, Cape Town on 1st February 2025. The ideal candidate for this position is a recent graduate or master student, looking for flexible work experience.

About us/Company description:
SOLTRAK is a performance monitoring and reporting platform dedicated to maximizing the value of operating renewable energy assets, with a strong focus on solar PV (photovoltaic) systems. SOLTRAK was founded in 2021 on the basis of a rapidly growing renewable energy sector, in particular solar PV (photovoltaic) systems. As the sector expands, optimized performance and support for the technology is threatened by a lack of visibility, transparency, and accountability. Our mission is to provide clear, transparent, and actionable insights into system performance, ensuring clients achieve optimal energy outputs aligned with their guarantees.

As an affiliate of SOLINK, a leading renewable energy consultancy, SOLTRAK complements their end-to-end project facilitation by providing ongoing performance oversight. While SOLINK simplifies the journey from feasibility to commissioning—handling procurement, legal contracts, and construction—SOLTRAK takes over once the system is operational. We independently monitor performance, identify inefficiencies, and provide unambiguous reporting to ensure clients consistently achieve their energy goals.

We deliver a seamless solution that empowers businesses to maximize the return on their renewable energy investments.

What you will be doing:
- Collaborate with senior developers to build and maintain backend systems that support both the SOLTRAK, and the SOLINK Core Platforms
- Assist in designing and maintaining database structures to support procurement data, such as supplier details and project bids
- Help validate and process incoming data to ensure quality and reliability
- Contribute to implementing data scaffolding to enable new features
- Help develop RESTful APIs for smooth communication between the frontend and backend systems
- Participate in testing and debugging to ensure the portal remains responsive and reliable
- Help implement logging and error-tracking systems to improve platform stability
- Work on automating repetitive tasks like report generation and data validation using platforms like Google Apps Script or Python

What is in it for you:
- Work with experienced software developers
- Exposure to the growing embedded solar market in South Africa
- Introduction to tools and processes used in the renewable energy market
- Work in a creative role - lots of scope to create new processes
- Networking in the RSA renewable-energy space
- Remuneration: R1,075/day - R1,200/day - based on candidates experience (Minimum 4 days a week)

Tech stack:
- **Required**
  - JavaScript/Typescript
- **Beneficial**
  - Familiarity with Github
  - Experience with AWS
  - React
  - Sql
  - Google app script environment
  - BSc Degree
  - Bootstrap
  - Heroku

Qualification
- Bachelor's degree, Computer Science qualification preferred.

Physical requirements:
- Own transport
- Laptop
- Reside in Cape Town
- Committed to a minimum of 2 days of work per week in the office (remainder can be done remotely).

How to apply:
If you have a passion for renewable energy and software development and think SOLTRAK might be a good fit for you, please apply here https://forms.gle/AbEa6m6YutMhxb7R6 by 31 January 2025.