Title of Position Coordinator: Python Application Developer
Employer: South African National Bioinformatics Institute
Type of Position: Short term Contract
Length of Contract Period: 3 months
Location: Remote/Hybrid
Closing Date: 11th February 2026

About the Role

We are seeking an experienced **Python Application Developer** for a 3-month contract to help design and build data-driven applications. The role focuses on turning complex data workflows into reliable, well-structured, and user-friendly applications.

You'll work closely with domain experts to translate requirements into practical software solutions, with an emphasis on clarity, performance, and maintainability.

Key Responsibilities

- Design, develop, and maintain Python-based data applications
- Build data pipelines, APIs, and application logic for data processing and analysis
- Collaborate with stakeholders to understand requirements and iterate on solutions
- Write clean, well-documented, and testable code
- Debug, optimize, and improve existing codebases where needed
- Contribute to architectural decisions and best practices

Required Skills & Experience

- Strong proficiency in **Python**
- Experience building data-driven applications or services
- Familiarity with common Python libraries for data handling (e.g. pandas, NumPy, SQLAlchemy, etc.)
- Experience with APIs, backend services, or lightweight web frameworks (e.g. FastAPI, Flask, Django)
- Comfortable working independently and delivering to deadlines
- Clear communication skills and a pragmatic, problem-solving mindset

Desirable (Nice to Have)

- Experience with data visualization or dashboards
- Familiarity with cloud platforms (AWS, GCP, Azure)
- Familiarity with Streamlit application tooling
- Experience working in research, scientific, or analytical environments
- Knowledge of software testing and Agile workflows

What We Offer

- A focused, well-scoped 3-month contract with meaningful deliverables
- Flexible working arrangements
- Opportunity to work on real-world data applications with impact
- Collaborative working environment

How to Apply

Please send a brief CV and (if available) links to relevant GitHub repositories or examples of previous work. A short description of similar projects you've worked on is welcome.

Only applicants with South African citizenship, work permit or residency will be considered.

For enquiries about this post, please contact Alan Christoffels at alan@sanbi.ac.za.

To apply, please email the below documents in a **single pdf file** to danderson@uwc.ac.za
- Cover letter
- Curriculum vitae (CV)

Please ensure that the title and reference number are indicated in the subject line.

Only shortlisted candidates will be contacted and may be required to undergo a competency test.

DISCLAIMER: By applying for the position, you consent to the University sharing your application, including curriculum vitae, with University stakeholders to process the application. In line with the University's commitment to diversifying its workforce, preference will be given to suitably qualified applicants in line with our Employment Equity Targets. The official retirement age at UWC is 65 years. The University reserves the right to not make an appointment, make an appointment at a different level, seek additional candidates and may conduct competency assessments.