

CAREER OPPORTUNITY

The CSIR (Council for Scientific and Industrial Research) is a leading scientific and technology research organisation, implementing projects throughout Africa and making a difference in people's lives.

Software Developer

About the job:

More and more sensor data is represented in some form of map to provide real-world context to the observations being made. The EOSIT Competence Area is a high performance research group, which through continuous research and development (R&D), develops capabilities to provide complete spatial information systems. These systems through the innovative use of ICT turn sensor data (satellite or in-situ) into valuable contextual geospatial information solutions able to scale to meet global needs. Software developers play a key role in architecting, developing and operating these systems.

We are looking to appoint a **Software Developer** within the CSIR Meraka Institute, Earth Observation Science and Information Technology (EOS IT) research areas (in Pretoria). (http://www.csir.co.za/meraka/eos/overview_eos.html).

Key responsibilities:

- Develop and manage a bespoke operational geospatial information solution that finds application globally;
- Contribute within a team in implementing new system requirements to meet the needs of customers;
- Remain abreast of programming and technology trends in the geospatial world to ensure continuous innovation within the system;
- Supervise junior developers.

Qualifications, skills and experience:

- Minimum qualification of a bachelor's degree in computer sciences or engineering;
- Postgraduate qualification/experience in geo-informatics would be advantageous;
- A minimum of 5 – 8 years' experience in software development with a proven track record of delivery on end-to-end operational software systems;
- Strong experience with Open Source development tools and platforms – Linux;
- Previous experience in development with Free and Open Source Software for geospatial solutions, spatial database management systems and OGC standards (e.g. GeoServer, PostGIS, GDAL) would be highly advantageous;
- At least three years' experience in Python and Javascript;

- Strong quantitative skills (mathematics / statistics / computer science, spatial analytics);
- Experience in developing web applications both backend and frontend utilising web frameworks;
- Experience in Linux server administration;
- Previous experience in developing rich client-side web applications including geospatial libraries (e.g. Openlayers) would also be advantageous.

Should you meet the above requirements, kindly apply via <https://candidate.csir.co.za> and select the position reference number **305548**; if you are a first time applicant, you will be required to register before you can submit your application. If you are a returning applicant, please log onto the application system using your user name and password.

Closing date: 12 June 2015

PLEASE NOTE THAT FEEDBACK WILL BE GIVEN TO SHORTLISTED CANDIDATES ONLY.

Should you experience any problems in submitting your application, please contact the CSIR Recruitment Centre at Recruitmentqueries@csir.co.za. Please **do not** submit your application to this mailbox.

*The CSIR is a responsible employer; we have put measures in place to ensure that equity is implemented such that it best serves the interests of the organisation and South Africa as a whole. This speaks to the CSIR's commitment to the Employment Equity Act of 1998. By applying for this position at the CSIR, the applicant understands, consents and agrees that the CSIR may solicit a credit and criminal report from a registered credit bureau and/or SAPS (in relation to positions that require trust and honesty and/or entail the handling of cash or finances) and may also verify the applicant's educational qualifications and employment history. **The CSIR reserves the right to remove the advertisement at any time before the stated closing date and it further reserves the right not to appoint if a suitable candidate is not identified.***