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Job title: Software Developer Geology and Petrophysics-oriented

Main Activities

- 1) Participate in the development and maintenance of a computing application dedicated to the Oil & Gas Industry
 - Develop algorithms (signal treatment, image treatment, equations...) using object-oriented languages such as C++, C, Python...
 - Use QT language to develop the required interfaces
 - In the respect of the languages used as standards by Techsia, participate in the development and maintenance of Techsia products
 - Take in charge new developments using his/her expertise in Statistics, Geostatistics, Geology and Petrophysics
 - Participate actively to routine in-house software testing in collaboration with the rest of Techsia international support team
 - Maintain and advance his/her own technical knowledge of Techsia products and new developments through internal review sessions and training opportunities
 - Actively develop in the area of petrophysics both personally and via in-house training sessions to maintain sufficient technical knowledge depth to effectively develop Techsia Petrophysical products
 - Take in charge projects starting from the clients' requirements to the delivery of a module within an appointed team while keeping deadlines and quality under control

- 2) Participate in the documentation/tuition activities
 - Write-up tutorials on new developments.
 - Feed the Knowledge Base with his/her IT/petrophysicist expertise
 - Provide internal training of the petrophysical team on his/her developments

- 3) Participate in the client support activities
 - Adopt the Customer Relationship Management system and participate actively in the follow-up of the bug fixing and development of the enhancements requests
 - Assist the petrophysical team with the clients' requests
 - Assist with regular communication and training in the Regional Techsia offices or on-site as required
 - Assist in the preparation of the marketing technical materials such as the product technical sheets, the technical brochure, the web site...

- 4) Reporting
 - Draw-up weekly technical progress reports on the state of the objectives related to the assigned development activities and provide regular and comprehensive feedback to his/her Manager
 - Ensure to play a full role in the communication between the IT team and the petrophysical team.

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Main required skills

- Basic knowledge to develop algorithms in Mathematics, Statistics, linear Algebra
- Programming languages: C++, C, Qt, Python
- Interest and basic knowledge in Geology applied to Petrophysics and more specifically in Petrophysics in general
- Project management and English language are valuable and added-value skills