Geo Services (Junior) Developer for SAP HANA

Purpose and Objectives
Are you passionate about Software Development and about to finish your IT degree?
Do you want to start your career at the world market leader for enterprise software?
Do you see your professional development in a team of very skilled people with great team spirit?
We are looking for talents like you to join our SAP HANA Geo Services team!

If you join the SAP HANA in-memory database team, you will part of a team that is the basis for new, ground-breaking SAP applications. In-memory computing is made possible through recent technology advances in main memory, multi-core processing, and data management. It leverages technology innovation to establish real-time analysis of business data and combines both transactions and analytics to improve existing business processes with a significant increase in performance. The SAP HANA in-memory database as basis for the in-memory computing is the key driver for SAP market of the future.

You will be part of the development team in Walldorf with more than 100 exceptionally talented and motivated colleagues. Other development teams are located all over the world and you will be collaborating closely with them. We at the SAP HANA in-memory database team live code development in a flexible and agile way in small self-organized teams.

Within our team, we practice a trust-based working model. If you need to work flexibly from another location or at another time you can do so given your manager’s agreement.

To find out more about the SAP HANA in-memory database team, check out our video: http://youtu.be/-9pKaVplBGo

Expectations and Tasks
We are looking for talented graduates to join our SAP HANA Geo Services team in Walldorf which are passionate about algorithms and software development. We are focusing on the development of a spatial data infrastructure for processing all kinds of geo-referenced data such as earth observation, drone, and open data. This harmonized big data set will be analyzed with machine learning techniques and image processing for information extraction as well as advance spatial and graph algorithms.

As part of the HANA Geo Services team, you will research about new ways of spatial processing, analysing satellite images from a business point of view, and working together with partners such as ESA. Current focus is on continuous algorithms for value extraction, (un)supervised classification, prediction models with neural networks, mosaicking, anomaly and change detection etc.

APPLY HERE! sap.com/careers

Please note that SAP only accepts applications submitted via our online recruiting system. Individuals with disabilities who require a reasonable accommodation in the job application process should contact HR Direct (Americas: hrdirectamericas@sap.com, APJ: hrdirectapj@sap.com, EMEA: careers@sap.com)
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In all focus areas, you can expect to...

• Write software implementations using Python, JavaScript, C++ and other languages
• Write regression tests for your own code using different programming languages (e.g. Python, SQL) and testing frameworks
• Conduct code reviews and code audits to spot opportunities for improvements with respect to usability, testability, supportability, or potential performance penalties
• Build and operate an optimized software solution for Linux from raw data to cloud services

Education and Qualifications / Skills and Competencies

Required skills:

• Strong Python programming skills and experience in implementing performance-critical algorithms
• Good knowledge of data structures, algorithms, and software design
• Knowledge about machine learning techniques and open source community
• Basic knowledge about C++, CUDA, image processing is useful
• Good Bachelor’s/Master’s degree or equivalent in computer science or related technical discipline
• Familiar with relational database management systems
• Verbal and written working proficiency in English and German
• Ability to analyze and debug complex problems

Preferred skills:

• Experience with continuous integration concepts and tools e.g. Git, Gerrit
• Linux, JavaScript or Shell-Scripting programming skills
• Knowledge of architecture of relational database management systems

Work Experience

• 0-2 years of practical experience in the area of system or application programming with C++ in form of student jobs, internships, etc.
• We are looking for candidates who are committed to a technology career path. Please make sure your set of application documents contains a cover letter and CV, copies of the obtained degrees and references.

AT SAP, CREATE THE WORLD YOU WANT TO LIVE IN

Employment Type
Regular Full Time

Job Location
Walldorf/St. Leon-Rot

Travel
0 – 10%

Reference Code/Job ID
158037

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