**Purpose and Objectives**

Are you passionate about C++ Software Development?  
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 Core Database team! 

If you join the SAP HANA in-memory database team, you will be 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.

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

**Expectations and Tasks**

The team is responsible for extending and maintaining persistence and basis implementations as foundation of higher level components in the HANA database stack. Basis implementations comprise topics like the HANA network stack, tracing, inter-process communication, low level memory and thread execution management and monitoring.

We are looking for a C++ (Junior) Developer who is willing to dig deep into Linux system programming as well as database system management focusing on the basis memory management implementation and our non-volatile memory integration.

With a strong focus on performance and stability, you will extend the existing codebase, develop new designs and add new features to the powerful HANA Database engine.

Performance optimizations, testing and monitoring - both on premise and in a cloud environment - will be part of your daily work.

In all focus areas, you can expect to...

- Write software implementations using C++ and other languages  
- Write regression tests for your own code using different programming languages (e.g. C++, Python, SQL) and testing frameworks (e.g. Google C++ Testing Framework)  
- Conduct code reviews and code audits to spot opportunities for improvements with respect to usability, testability, supportability, or potential performance penalties

**AT SAP, CREATE THE WORLD YOU WANT TO LIVE IN**

**Employment Type**
Regular Full-Time

**Job Location**
Walldorf/St.Leon-Rot, Germany

**Travel**
0-10%

**Reference Code/Job ID**
157613

**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)
C++ (Junior) Developer for SAP HANA Persistent Memory Management

EDUCATION AND QUALIFICATIONS / SKILLS AND COMPETENCIES

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.

Required skills:
• Strong C++ programming skills and experience in implementing performance-critical algorithms
• Good Bachelor’s/Master’s degree or equivalent in computer science or related technical discipline
• Good knowledge of data structures, algorithms, and software design
• Verbal and written working proficiency in English and German
• Ability to analyze and debug complex problems

Preferred skills:
• Experience in administration, programming or profiling on LINUX
• Familiar with code-analysis tools e.g. Valgrind, Intel Amplifier, Cppchecker
• Experience with continuous integration concepts and tools e.g. Git, Gerrit
• Python or Shell-Scripting programming skills
• Knowledge of architecture of relational database management systems

WORK EXPERIENCE

Graduates welcome!

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)