

Job Posting:169909 - Position: F25 iXp Intern - Cloud Database Engine Developer 169909

Co-op Work Term Posted:	2025 - Fall
App Deadline	06/05/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	05/22/2025 08:38 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	SAP
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 iXp Intern - Cloud Database Engine Developer 169909
Position Type	Co-op Position
Job Location	Waterloo, ON
Country	Canada
Duration	4 months
Work Mode	To be confirmed
Salary Currency	CAD
Salary	Salary Not Available, 40 Major List
Salary Range \$	18.00 - 36.00 CAD hourly
Job Description	

We help the world run better

At SAP, we enable you to bring out your best. Our company culture is focused on collaboration and a shared passion to help the world run better. How? We focus every day on building the foundation for tomorrow and creating a workplace that embraces differences, values flexibility, and is aligned to our purpose-driven and future-focused work. We offer a highly collaborative, caring team environment with a strong focus on learning and development, recognition for your individual contributions, and a variety of benefit options for you to choose from.

About the SAP Internship Experience Program

The SAP Internship Experience Program is SAP's global, strategic, paid internship program that provides university students with opportunities to find purpose in their careers.

Three reasons to intern at SAP

- 1. Culture of collaboration:** meet with mentors, make new friends across the globe and create a thriving personal network.
- 2. Project-driven experience:** gain cross-functional skills from our virtual and in-person learning sessions, diverse subject matter experts, and project deliverables.
- 3. Gain visibility:** with SAP Internship Experience Program in your title, you'll have a global network of SAP leaders, entrepreneurs and career development opportunities at your fingertips.

What you'll do

- Position Title: SAP iXp Intern - Cloud Database Engine Developer
- Location: Waterloo, ON
- Expected start date to end date: September 02, 2025 - December 19, 2025
- Work hours: 40 hours per week desired

What you'll do:

- contribute to the design of new database/query processing features
- implement prototypes using a variety of languages and tools
- write automated tests for your features
- learn about cutting edge data structures and algorithms
- build strong skills in database and cloud technologies
- be mentored by skilled researchers and developers who want to help you succeed

Meet your team

Look under the hood of almost any software project and you'll find a database. Come join our HANA Cloud Data Landscape team and learn about databases from the inside out. We are responsible for developing cloud focused database and data analytics functionality that underlies many SAP products. Our team consists primarily of masters or PhD level database researchers and software developers, and we are focused on pushing the boundaries of technology to deliver innovative solutions to our customers. We have a special passion for mentoring students, sharing our knowledge with them and helping them develop new skills.

We are looking for enthusiastic students to implement several prototypes designed to improve cloud performance in SAP HANA. You will learn about high performance data structures and algorithms, implement them, and evaluate their performance. Possible work areas include optimal use of (cloud-based) object storage, investigating approaches to querying flat file storage, and enhancing the Spark engine with new features to improve query performance. If you're excited about writing lots of code and love the challenge of achieving the best possible performance in your software, then this could be the job for you.

Depending on your project you may use a variety of languages and tools. We expect Python to be a key development language, but you may also use Scala, Go or other languages. Knowledge of SQL, relational database concepts, Apache Spark, or Apache Parquet would be an asset but is not required.

Join us. We can't wait to see what you'll achieve.

Bring out your best

SAP innovations help more than four hundred thousand customers worldwide work together more efficiently and use business insight more effectively. Originally known for leadership in enterprise resource planning (ERP) software, SAP has evolved to become a market leader in end-to-end business application software and related services for database, analytics, intelligent technologies, and experience management. As a cloud company with two hundred million users and more than one hundred thousand employees worldwide, we are purpose-driven and future-focused, with a highly collaborative team ethic and commitment to personal development. Whether connecting global industries, people, or platforms, we help ensure every challenge gets the solution it deserves. At SAP, you can bring out your best.

We win with inclusion

SAP's culture of inclusion, focus on health and well-being, and flexible working models help ensure that everyone - regardless of background - feels included and can run at their best. At SAP, we believe we are made stronger by the unique capabilities and qualities that each person brings to our company, and we invest in our employees to inspire confidence and help everyone realize their full potential. We ultimately believe in unleashing all talent and creating a better and more equitable world.

SAP is proud to be an equal opportunity workplace and is an affirmative action employer. We are committed to the values of Equal Employment Opportunity and provide accessibility accommodations to applicants with physical and/or mental disabilities. If you are interested in applying for employment with SAP and are in need of accommodation or special assistance to navigate our website or to complete your application, please send an e-mail with your request to Recruiting Operations Team: Careers@sap.com.

For SAP employees: Only permanent roles are eligible for the SAP Employee Referral Program, according to the eligibility rules set in the **SAP Referral Policy**. Specific conditions may apply for roles in Vocational Training.

EOE AA M/F/Vet/Disability:

Qualified applicants will receive consideration for employment without regard to their age, race, religion, national origin, ethnicity, age, gender (including pregnancy, childbirth, et al), sexual orientation, gender identity or expression, protected veteran status, or disability.

SAP believes the value of pay transparency contributes towards an honest and supportive culture and is a significant step toward demonstrating SAP's commitment to pay equity. SAP provides the hourly base salary rate range applicable for the posted role. The targeted range for this position is 18.00 - 36.00 CAD. The actual amount to be offered to the successful candidates will be within that range, dependent upon the key aspects of each case which may include education, skills, experience, scope of the role, location, etc. as determined through the selection process. SAP offers limited benefits for employees hired into hourly or like roles subject to applicable plan/policy terms. A summary of benefits and eligibility requirements can be found by clicking this link:

www.SAPNorthAmericaBenefits.com.

Job Requirements

What you bring

We're looking for someone who takes initiative, perseveres, and stays curious. You like to work on meaningful innovative projects and are energized by lifelong learning.

Successful applicants will have an exceptional ability to learn and the motivation to excel in software design, implementation, and testing.

The following qualifications are required:

- Strong programming skills in Python
- Good oral and written communication skills
- Overall average of at least 85%
- Ability to work independently and collaboratively

The following are not required but would be valuable:

- Programming skills in C++, Go, or Scala
- Experience with Apache Parquet or Apache Spark
- Knowledge of SQL and relational database concepts
- Work experience at a software development company
- Software design experience
- Significant hobby programming
- Strong results in math or programming contests

Citizenship Requirement	N/A
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APPLICATION INFORMATION

Application Procedure	Through Employer Website
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Cover Letter Required?	Yes
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Address Cover Letter to	Hiring Manager
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Special Application Instructions

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Application Link:

<https://jobs.sap.com/job/Waterloo-SAP-iXp-Intern-Cloud-Database-Engine-Developer-ON-N2L6R2/1203991301/>

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.

SAP Instructions

SAP has requested students to compile a cover letter, resume and transcript in one PDF file and upload to the "Resume" field when applying, if possible. If a student has applied but has not heard back, application is still being reviewed and in process. We always revert with a final decision.