Lead Full Stack Engineer

Requisition	R0000190997
Employer	Royal Bank of Canada
Canadian locations	Toronto (Ontario, Canada)
Primary address	600 QUEENS PLATE DR, TORONTO, ON M9W 0A4, Canada
Posted	October 28, 2026
Last day to apply	November 29, 2026
Posted deadline	November 30, 2026
Business area	Finance and Insurance
Employment status	Regular
Work schedule	Full time · 37.5 h per week
Pay type	Salaried

The position

Leaf Full Stack Engineer is responsible for the development and maintenance of the the RBC careers portal-based APIs use the the RBC careers portal and the the RBC careers portal kernel, with a focus on the cloud-native architecture. This role consists of building scalable backend services, designing data solutions and ensuring secure and efficient API implementations in modern cloud environments.

Responsibilities

Enterprise API & Database Development

- Design, development and maintenance of RESTful API using C# the RBC careers portal Framework (the RBC careers portal Core, the RBC careers portal MVC)
- Build microservices and the RBC careers portal backend processes.
- Develop and optimize SQL solutions for data performance, scalability and integrity.
- Implement highly interactive user interfaces with rich visualizations using JavaScript and Angular.
- Implement cloud-native architectures and deployment strategies on Azure or AWS.
- Ensure API security, complete documentation and compliance with company standards.

Code Quality & Security

- Identify, assess and correct security vulnerabilities across the code base.
- Implement API security measures, including authentication, authorisation and encryption.
- Manage technical debt and promote continuous improvement in code quality.
- Research and implementation of best security practices and vulnerability management strategies.

Cross-Functional Responsibilities

- Collaborate with architects on solutions on system design and architectural decisions.
- Decompose complex requirements and develop roadmaps for implementation.
- Participate in agile sprints and technical design reviews.
- Demonstrate SDLC understanding throughout all development phases.
- Manage Git version control and establish best practices for Git workflows.

Qualifications

Requirements

- Bachelor of Computer Science, Engineering, Mathematics or a related field (or equivalent professional experience)

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- 7+ years of professional experience in large-scale API and application building using C# the RBC careers portal Framework
- Proficiency in C#, SQL, JavaScript/TypeScript
- Strong experience with designing and optimizing SQL and relational databases.
- Skill with Azure or AWS cloud platforms.
- Experience with DevOps and CI/CD pipelines.
- Proven experience developing RESTful APIs and working with API frameworks.
- A good understanding of software architecture, design models and SOLID principles.
- Demonstrated understanding of SDLC methodologies and best practices.
- Knowledge of API security concepts and implementation.

Assets

- Experience with Python for scripting, support processes or backend development.
- Background in vulnerability management, threat modeling, and security remediation.
- Experience with API authentication and authorization protocols (OAuth, JWT).
- Knowledge of secure coding practices and OWASP guidelines.
- Experience with Django frame for backend development based on Python.

Pay and benefits

RBC teams aim to grow by working together, thinking ahead and giving dependable advice that helps clients and communities prosper. They support one another, develop their potential and strive for outcomes that benefit the communities they serve as well as the bank.

- A total compensation program with competitive pay, bonuses and flexible benefits, plus commissions and stock where applicable.
- Managers who coach employees and help them find opportunities to develop.
- Ability to make a difference and have a lasting impact.
- Join a collaborative team that works at a high standard and looks for new ways to improve.
- A world-class financial services training program.
- Opportunities to do challenging work.

#TECH PJ

Job Skills

Active learning, agile methodology, application integrations, emerging technologies, business application delivery, group problem solving, programming languages, software development life cycle (SDLC)

RBC accepts applications until 11:59 p.m. on the day before the posted deadline.

Our Employment Opportunities

RBC works as One RBC and follows five shared values: putting clients first, integrity, collaboration, respect and excellence. As one of the world’s largest and most successful banks, it sees inclusion and different perspectives as important to continued growth. RBC supports staff in doing their best work, working together, innovating and developing professionally. Its policies and programs foster respect, belonging and opportunities for everyone to create value for clients and communities.

Talent community

People who join RBC’s talent community can receive new postings, career advice and recruitment event updates tailored to their interests.

RBC’s careers portal shares information about career paths and how its teams contribute to client and community well-being.

RBC is accepting applications for an existing vacancy. Qualified applicants may hear from the recruitment team for a more detailed review of their résumé.

Search for requisition R0000190997 on the RBC careers portal.

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