Technical Architect – TG Quality Foundations

Montreal - Full-time - 744000080018265

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At the Technology Group (TG), we provide tools, middleware, and services tailored to the needs of game productions at Ubisoft, which we support throughout their lifecycle. Through collaboration and innovation, we help streamline creation and improve production efficiency, with the goal of delivering quality games to millions of players worldwide. Exploring ideas, experimenting with new technologies, and implementing stable solutions are part of our daily work.

As a Technical Architect within the TG Quality Foundations (TGQF) division, whose mission is to position Ubisoft as a leader in engineering game quality, you will define and guide the technological vision of our SDKs integrated into game engines, ensuring they deliver maximum quality, performance, and reusability for Ubisoft's production teams. You will take charge of major architectural decisions, lead cross-functional initiatives, and prototype innovative technologies that will shape the future of game development tools.

Your role will be essential in establishing software engineering and quality standards, as well as harmonizing fragmented environments that encourage convergence across projects. You will collaborate with production teams, production architects, and partners from various technology teams to ensure our solutions meet diverse needs while remaining sustainable and consistent.

What You'll Do

- Architectural Leadership: Lead and oversee major architectural decisions, ensuring the long-term consistency and sustainability of technologies.

- Strategic Technical Direction: Define best practices, standards, and strategic directions for SDKs developed at TGQF.

- Cross-Functional Impact: Provide solutions to complex, cross-cutting challenges such as memory footprint, performance, and other game engine constraints.

- Global Collaboration: Work with Ubisoft teams worldwide to ensure coherence across the technological ecosystem.

- Mentorship: Support senior developers and technical leads in engineering teams, helping them grow their technical expertise.

- Product Leadership Support: Partner with product teams and TGQF directors to assess opportunities impacting game developers in areas such as performance, debugging, observability, and automated testing.

Why This Role Is Right for You

- You are passionate about creating coherent, sustainable ecosystems and driving technological convergence.

- You excel at translating business needs into technical solutions, and vice versa.

- You can synthesize complex situations into clear, visual, and written representations for diverse audiences.

- You are comfortable diving into technical details while keeping a strategic, big-picture view.

- You hold strong convictions about best practices while remaining flexible in the face of business and project constraints as well as diverse perspectives.

- You are an influential collaborator, able to guide outcomes while adapting to external constraints.

.**What You Bring**

- Extensive experience in software development and technical leadership.

- Strong expertise in C++, with a focus on multithreaded programming.

- Deep understanding of performance optimization, debugging, and real-time systems.

- Solid experience in cross-platform development.

- Good knowledge of the constraints of game engine development.

- Experience with CI/CD pipelines and modern development workflows.

- Demonstrated ability to define a clear technological vision and guide engineering team development.

- Excellent interpersonal and communication skills, especially in geographically distributed team environments.

- A collaborative mindset with a desire to share knowledge and push technological boundaries.

- A degree in computer science, software engineering, or equivalent training.

What to Send Us

- Your CV highlighting your experience and skills.

About us

Ubisoft is a global leader in gaming with teams across the world creating original and memorable gaming experiences, from Assasin's Creed, Rainbow Six to Just Dance and more. We believe diverse perspectives help both players and teams thrive. If you're passionate about innovation and pushing entertainment boundaries, join our journey and help us create the unknown!

We embrace a hybrid work model helping you stay connected with your team and aligned with business priorities, while giving you the opportunity to maintain your work-life balance. Note, that some roles are fully office-based and are not eligible for hybrid work.