Technical Architect – TG Quality Foundations

Montreal - Full-time - 744000078252774

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Your Mission

As a Technical Architect within TG Quality Foundations, you will define and guide the technological vision for our Runtime SDKs and C++ libraries, ensuring they deliver maximum quality, performance, and reusability to production teams across Ubisoft. You will lead major architectural decisions, drive transversal initiatives, and prototype innovative technologies that shape the future of game development tools.

Your role is pivotal in harmonizing fragmented environments, setting technical and quality standards, and fostering convergence across projects. You'll collaborate with production teams, production architects and technological partners to ensure our solutions meet diverse needs while remaining sustainable and coherent.

Key Responsibilities

- **Architectural Leadership**: Lead and oversee major architecture decisions, ensuring coherence and long-term sustainability across TGQF technologies.
- **Strategic Technical Direction:** Define best practices, standards, and strategic directions for SDKs, frameworks, pipelines, and tools used in production.
- **Cross-functional Impact**: Drive solutions for complex, transversal topics such as memory footprint, performance and engine related constraints across all our SDKs
- **System Integration:** Ensure technical decisions align with long-term vision, evaluating risks and interdependencies across systems.
- **Collaboration & Coaching:** Liaise with other TG activities to ensure ecosystem-wide coherence, and coach engineering teams to grow in architectural thinking.
- **Architecture Review Stewardship:** Facilitate architecture review processes, including cross-activity syncs and domain-specific discussions.
- **Innovation Support:** Collaborate with Product teams and TG directors to evaluate opportunities that impact game developers in performance, debugging, observability, and automated testing.

Why This Role Might Be for You

- You're passionate about building 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 textual representations for diverse audiences.
- You're comfortable diving deep into technical details while maintaining a broad strategic view.
- You bring strong opinions on best practices, balanced with the flexibility to adapt to constraints and diverse perspectives.
- You're a strong collaborator with the ability to influence outcomes while remaining adaptable to external constraints and diverse perspectives

.<u>What You Bring</u>

- Extensive experience in software development and technical leadership.
- Mastery of C++, with a strong focus on multi-threaded programming.
- Deep understanding of performance optimization, debugging, and real-time systems.
- Solid experience in cross-platform development.
- Experience working with game engines such as Anvil, Snowdrop, or Unreal preferred
- Experience working with CI/CD pipelines and modern development workflows.
- A degree in Computer Science, Software Engineering, or equivalent training.
- Proven ability to define a clear technological vision for middleware and guide the development of technical roadmaps.
- Strong leadership in managing and mentoring multidisciplinary technical teams.
- Excellent interpersonal and communication skills, especially in distributed team environments.
- A collaborative mindset with a desire to share knowledge and push technological boundaries.

<u>About us</u>

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.