

# Salma Ramadan - XR | Unity Developer

salma.ramadan.lotfy@gmail.com | +20 01019339633 | Cairo, Egypt | <https://youkii-xr.github.io/>

## Summary

Creative and technically skilled **XR / Unity Developer** experienced in designing immersive VR/AR experiences for art, education, and R&D projects. Proficient in **Unity, C#, XR Interaction Toolkit, and Meta Quest SDKs**, with a passion for rapid prototyping, real-time problem solving, and cross-disciplinary collaboration. Experienced in mentoring teams and delivering performance-optimized builds for exhibitions and interactive installations.

## Links

[LinkedIn](#), [GitHub](#)

**Skills:** C#, C++, Python, JavaScript, Arduino, Embedded C, Unity, OpenXR, WebXR, XR Interaction Toolkit, Meta SDK, Three.js, Editor Scripting, Blender, Photoshop, Illustrator, Shaders, Storytelling, Git, Collaboration Tools, Rapid Prototyping, Optimization, Mentorship

## Projects

### River People | [Project Link](#)

Abertay University & Ahmad El Shaer · Unity, Meta Quest, Blender, XR Interaction Toolkit, Shader graph

-  
VR Storytelling

- Led development of an immersive VR narrative showcasing Nubian traditions and culture.
- Mentored artists, provided Unity editor tools, and optimized interactions for performance.

### Circles | [Project Link](#)

Fantomas & Medrar & John Francois · Unity, Shader Graph, Oculus Integration

-  
VR Storytelling & Immersion

- Contributed to animations, Blender modeling, texturing, and Unity lighting setup.
- Provided Unity scripting and integration support for interactive storytelling.

### Dahab 3D Scan | [Project Link](#)

Medrar for Contemporary Art · Unity, Blender, Cinemachine, Meta Quest

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VR Tour & Exploration, 3D scans

- Optimized 3D scans from **150M**  $\square$  **1M polygons total**, maintaining scene quality.
- Guided camera movement and storytelling using **Cinemachine**.

### Pieceful Moments

Living Media · Unity, XR Interaction Toolkit, Shader Graph, Oculus Hand Tracking

-  
VR Game Development

- Designed a fully immersive **VR jigsaw puzzle** featuring **hand tracking, 400+ puzzle pieces, and unique puzzle selection UI**.
- Developed controller-free mechanics using **trigger-only interactions**.

## Experience

### Upwork | [Upwork Profile](#)

XR | Unity Developer · Developer · Freelance

Mar 2023 - Present

Remote

- Delivered multiple XR prototypes and interactive Unity experiences for clients worldwide.
- Achieved **Top Rated** with **100% Job Success Score**.
- Specialized in developing real-time 3D environments and editor extensions for rapid iteration

### Deepscope | [Deepscope](#)

XR Developer · Part Time

Apr 2023 - Jul 2023

Remote, UK

- Refactored Unity XR Projects, removing deprecated packages and boosting performance.
- Integrated **Mixed Reality features:** Spatial anchors, passthrough using **Meta SDK**.
- Collaborated with designers and product managers in agile sprints.

<b>U.S. Embassy - 412 Labs</b>   <a href="#">Graduation Projects</a> XR Instructor   Mentor · Part Time	Oct 2022 - Mar 2024 Cairo, Egypt
<ul style="list-style-type: none"> <li>Mentored <b>100+ students</b> in VR development under the American Center Cairo.</li> <li>Delivered weekly technical workshops on Unity XR, optimization, and debugging.</li> <li>Helped students produce high-quality VR prototypes for final showcases.</li> </ul>	
<b>Medrar for Contemporary Art</b>   <a href="#">Medrar</a> XR Developer   Mentor · Project Based	Oct 2022 - Present Cairo, Egypt
<ul style="list-style-type: none"> <li>Created Unity-based tools to help artists build interactive XR installations.</li> <li>Provided technical guidance for award-winning exhibitions integrating storytelling and spatial design.</li> </ul>	

## Education

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<b>Helwan University</b> B.Sc. · Computer and Systems Engineering · Egypt	Oct 2023 - Present
<b>ACC (U.S. Embassy) &amp; 412 Labs</b> · XR Development Diploma · Egypt	Jul 2022 - Sep 2022

## Certifications

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<b>AkyLade Certified XR Developer</b>   <a href="#">Link</a> AkyLade	-
<b>Nasa Space Apps - Mentorship</b>   <a href="#">Link</a> Nasa Space Apps	-
<b>VR Diploma Completion</b> U.S. Embassy & 412 Labs	Dec 2022 - Dec 2025

## Conferences and Workshops

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<b>Ana Masry NGO - XR 3 day workshop</b>   <a href="#">Link</a> Ana Masry	Feb 2025
<b>VR Weekend Workshops @ Medrar</b>   <a href="#">Link</a> Medrar	
<b>AUC 1 day - Intro to VR Workshop</b>   <a href="#">Link</a> AUC	

## Volunteering

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<b>SensAi Hackathon</b> Global Organizer	-
<b>Robotics Student Organization - Helwan University</b> R&D member	-
<b>Helwan Station Student Activity</b> Technical Director	-
<b>Helwan Engineering Student Union</b> Vice Head Scientific Committee	-