

# ALLAN JOSSEP ACOSTA MOYA

## UNITY VIDEO GAME DEVELOPER

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### / ABOUT ME

I am a video game developer with experience in Unity and a solid Full-Stack background. I have worked with technologies such as Unity, C#, JavaScript, SQL, Node.js and more. I specialize in systems that optimize the interaction between character mechanics and the environment. I have led the design and development of animations and gameplay mechanics, ensuring a smooth and immersive user experience. I use design patterns and clean architectures to maintain scalable and efficient code. Additionally, I apply agile methodologies and best practices in creative problem-solving.

### / WORK EXPERIENCE

- > Food Delivery App - Bogotá, Colombia**  
Front-End Developer / Freelance  
05/2022 - 08/2022
- I implemented interactive components that managed the application state to ensure a smooth user experience, using technologies like JavaScript and Redis to optimize data flow and cache performance.
  - I designed, structured, and tested graphical improvements in the user interface using SASS and BEM methodologies, achieving a 10% increase in user/customer retention in the app.
  - I implemented the connection between the backend database and the frontend in a Food Delivery app, using JSON and Redux with JavaScript for efficient state management and data transmission.

### / PROJECTS

- > Indie Game "Survival - Horror" - Bogotá, Colombia**  
Tech Artist / Programmer  
Game Link: Echoes Of The Forest v.0.4  
07/2024 - 07/2024
- I designed and developed player mechanics, implementing physics-based movement using a Character Controller and dynamic sound effects for movements through an AudioManager and RayCast. I created interactions with items like the flashlight, which serves as the primary tool, managed inventory with Open/Close state controls, and developed camera systems with smooth animations using Quaternion Slerp for rotation smoothing. I utilized design patterns such as Singleton and state management to optimize modularity and efficiency in the code.
  - I implemented C# code in UI/UX interfaces for menus and player HUD, including dynamic systems for health, stamina, battery, and BloodScreen. I integrated events such as OnClick, colliders, and real-time updates for bars and visual effects.
  - I took charge of leading everything included in this version. EotF v.0.4
- > Indie Game "Survival-Apocalypse" - Bogotá, Colombia**  
Gameplay Programmer  
Game Link: Alone With The Dead  
07/2024 - 07/2024
- I developed enemy mechanics using a state system with the State and Singleton patterns. I integrated 3D models into Animator, configuring transitions between states such as patrolling, attacking, and alerting, optimizing the dynamic behavior of the enemy.
  - I implemented game interfaces with C# code that guide the player with mission indicators and notifications, updating progress in real-time through events.
  - I corrected textures in the environment and added decals to create a more immersive atmosphere. I also implemented optimization adjustments in light baking and occlusion culling to enhance the performance of the scene.

### / ACADEMIC HISTORY

- >> Generation Colombia - Bogotá, Colombia**  
Junior Unity Developer  
06/2024 - 09/2024
- >> District University - Bogotá, Colombia**  
Intermediate Front End Developer  
09/2023 - 12/2023

### / SKILLS

Unity | C# | Git | Blender | JavaScript | SQL | NodeJS | Audacity

### / LANGUAGES

- English (B1)
- Spanish (Native)

