

# ALAN HERTANTO GUSPERMANA

## MID-LEVEL UNITY DEVELOPER

### PROFESSIONAL SUMMARY

Dynamic Unity Developer with over 3 years of experience specializing in game development, VR/AR/MR technologies, and multiplayer systems. Proven expertise in leading development teams, optimizing game assets, and integrating backend systems. Recognized for creating innovative VR training solutions for the Indonesian Ministry of Defence and contributing to multiplatform game development at Nusameta. Adept at mentoring junior developers and collaborating across cross-functional teams. Passionate about delivering engaging gaming experiences and advancing technical solutions in Unity development.

### CONTACT

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### WORK EXPERIENCE

#### Unity Developer | 2023-Present

Nusameta

- Developed advanced multiplayer features using Dark Rift Networking, enhancing user engagement.
- Implemented AI using Behavior Tree plugins, creating dynamic gameplay interactions.
- Assisted the Animation Team for Unity Team, ensuring seamless integration of animations with UMA-based asset management tools.
- Integrated APIs such as DANA and ChatGPT into Node.js backend systems, enhancing overall functionality.
- Designed a customizable avatar creation system with real-time preview capabilities for multiplatform environments.
- Focused on performance optimization across platforms to ensure smooth rendering and gameplay.

#### Unity Developer | 2022-2023

Falah Inovasi Teknologi

- Led Unity development as People In Charge (PIC) for three projects, including VR training applications for the Indonesian Ministry of Defence and an MR showcase for PT. PAL Indonesia.
- Supported as Co-PIC on one additional project, assisting in gameplay implementation and asset optimization.
- Collaborated with design teams, level designers, and 3D artists to establish poly count standards, reducing a scene's tris from 11 million to 1 million, significantly enhancing performance and setting a benchmark for asset optimization..
- Mentored junior developers, enhancing their technical skills and ensuring project quality.
- Conducted rigorous testing and debugging to maintain high standards for code and assets.

#### Freelance Unity Developer/Programmer | 2016- Present

Self-Employed

- Successfully completed 46 projects, including AR applications, multiplayer games, and backend systems.
- Developed tailored Unity 3D solutions, integrating APIs, payment systems, and databases.
- Delivered high-quality projects by collaborating closely with clients to meet specific requirements.
- Provided ongoing maintenance and optimization, ensuring consistent performance and user satisfaction.

## **IT Support | 2021-2022**

PT. BPR Raksa Wacana Agri Purnama

- Maintained system and data backups for head and branch offices, ensuring disaster recovery readiness.
- Performed regular network maintenance, troubleshooting connectivity issues to optimize performance.
- Ensured system security through firewalls, data protection measures, and updates.
- Managed digital marketing campaigns across platforms, increasing brand visibility.

## **Unity Developer | 2021-2021**

PT. Bakti Indonesia Mengaji

- Developed interactive educational games for teaching Hijaiyah words.
- Integrated audio-based challenges and tracked progress via Node.js backend.
- Optimized 2D sprite assets for performance and visual consistency.

## **EDUCATION**

**Kuningan University | 2021**

Bachelor's in Computer Science

## **CERTIFICATION**

- **EFSET English Certificate (C2 Proficient) | 2023**  
EF SET
- **MTA: HTML5 Application Development Fundamentals | 2019**  
Certiport

## **HONORS & AWARDS**

- 3rd Place, Gameloft Game Development Contest 2020

## **LANGUAGES**

- English: C2 Proficient
- Indonesian: Native

## **SKILLS**

- Unity Development: Expertise in Unity Engine, multiplayer systems, asset optimization, and VR/AR/MR.
- Programming Languages: C#, PHP (Laravel, CI 3), JavaScript (Node.js).
- Backend Development: API integration, database management, and server-side development.
- Tools: Dark Rift Networking, UMA (Unity Multipurpose Avatar), PlasticSCM, Git.
- Team Collaboration: Leadership, mentorship, and cross-functional communication.