KARAN SAHU

Senior Unity Game Developer

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Summary

Unity Game Developer with 7+ years of experience delivering 50+ mobile, real-money, and blockchain-integrated games. As CTO / Lead Unity Developer at Comely Enterprises, I drive architecture, multiplayer systems, Web3/NFT integration, and scalable deployments. Skilled in Unity (C#), PlayFab, Nakama Unity, and backend APIs. Thrive in fast-paced, agile environments and excel at gameplay, optimization, and innovation.delivering high-quality solutions under tight deadlines. Now seeking a **Senior Unity Developer** role to contribute my expertise in

Experience

Lead Unity Developer
On-site (India)

Comely Enterprises
May 2023 − Present

- Define and lead the technology vision for Unity-based gaming products, Web2 platforms, and blockchain-integrated solutions.
- Oversee the architecture, development, and deployment of 50+ Unity games across mobile, Web, and real-money gaming platforms.
- Manage and mentor cross-functional teams, including Unity developers, backend engineers, artists, and designers.
- Drive integration of blockchain technologies (smart contracts, NFTs, decentralized payments) into game ecosystems.
- Establish coding standards, performance optimization strategies, and CI/CD practices to ensure robust, maintainable products.
- Collaborate with stakeholders on product vision, monetization models, and technology roadmaps.
- Lead innovation efforts by adopting emerging technologies (Web3, XR) and aligning them with business goals.

VR & AR Simulations Developer
On-site (India)

NIIT Limited
Jan 2022 – May 2023

- Designed and developed VR and AR simulations for training in manufacturing, construction, and logistics industries.
- Built immersive environments replicating real-world processes and safety protocols, enhancing workforce training outcomes.
- Delivered cross-platform solutions compatible with Oculus, HTC Vive, ARKit, and ARCore.
- Worked closely with instructional designers and industry experts to translate complex procedures into interactive simulations.

Unity Game Developer
Hybrid (India)

Comely Enterprises
Aug 2020 – Jan 2022

- Developed Unity-based mobile games with a focus on gameplay mechanics, UI/UX design, and mobile performance optimization.
- Integrated in-app purchases, payment gateways, wallet systems, and analytics tools to support monetization and player engagement.
- Contributed to backend API development, database management, and cloud deployment workflows.
- Collaborated with artists and designers to deliver polished, compliant games for app store release.

Game Artist & Developer
Remote (India)

Freelance
Oct 2018 – July 2020

- Designed and developed Unity mobile games as a solo developer, managing both technical and artistic aspects.
- Integrated payment systems, analytics SDKs, and optimized game performance for mobile platforms.
- Delivered projects from concept to store submission, building a solid foundation in full-cycle game development.

Skills

Game Development & Unity Expertise:

Unity3D, C#, Unity Editor Scripting, Custom Tool Development, Scriptable Objects, Shader Programming (HLSL, Shader Graph), Visual Effects (VFX), Animation Systems, Physics Systems, UI/UX Design, Gameplay Programming, AI (Behavior Trees, State Machines), Nakama Unity, Multiplayer Networking (Photon, Mirror, Netcode for GameObjects), Mobile Game Performance Optimization (iOS, Android), VR (Oculus, HTC Vive), AR (ARKit, ARCore), XR Development, Addressable Asset System, Unity Cloud Build

Programming Languages:

C# (expert), C++, JavaScript, TypeScript, Python

Backend & Multiplayer Services:

Node.js, Express.js, RESTful APIs, Multiplayer Backend Architecture, Realtime Services (WebSockets)

Databases:

Firebase, MongoDB, Redis, PostgreSQL

DevOps & Deployment:

Git, Git LFS, CI/CD (Unity Cloud Build, GitHub Actions, Jenkins), Docker (basic), Cloud Hosting (AWS, Azure), Mobile Deployment (Android App Bundle, iOS App Store Submission)

Blockchain & Web3:

Solidity, Smart Contracts, NFT Integration, Ethers.js, Web3.js

Testing & QA:

Unit Testing (NUnit, Jest), API Testing (Postman), End-to-End Testing (Cypress)

Project Management & Collaboration:

Agile, Scrum, Jira, Trello, Slack, Notion

Real-World Applications

Comely Enterprises — Real-Money & Web2 Mobile Games + Backend

comelygaming.com - PlayStore | AppStore | HTML5 | RealMoney Games

Built and scaled a diverse portfolio of real-money and mobile entertainment games for Android and Web platforms. Oversaw development across game logic, monetization systems, multiplayer mechanics, and backend infrastructure. Successfully delivered titles including:

- **CrickCroc** – Fantasy cricket game with secure wallet integration and real-cash rewards.
- **Headlagao** – Real-time headball multiplayer powered by Unity, Azure PlayFab, and Docker; included custom backend for matchmaking and payment processing.
- **Firedoom** – 1v1 mini-game suite (Fruit Slice, Knife Hit, Crashy Racing) with wallet systems and mobile-optimized builds.
- **Shootzup** – Multiplayer quiz battles featuring real-time logic, scoreboards, and secure payout systems.
- **Triviza** – 6-player PvP math quiz with low-latency matchmaking and instant withdrawal flows.
- **Snowy** – Competitive jumper game integrating real-money rewards and secure transactions.
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Focused on scalable architecture, real-time multiplayer mechanics, secure payment gateway integration, mobile performance optimization, and compliance with platform standards.

Comely Enterprises — Blockchain Gaming & Web3 Platforms

thelunarstudios.com – Blockchain Games | Web3 | RealMoney Gaming

Led the design and development of blockchain-integrated games and Web3 platforms with secure payments, smart contracts, and NFT features. Delivered end-to-end solutions including architecture, integration, and deployment.

- **Cavalox** – Blockchain-enabled gaming platform with in-game asset tokenization and secure payment gateways.
- **PassionViews** – Web3 interactive platform integrating smart contracts for digital rewards and NFT collectibles.
- **Win90x** – Decentralized gaming ecosystem offering real-money competitions powered by smart contracts and on-chain transactions.

Focused on smart contract development, NFT integration, wallet connectivity, decentralized payments, and seamless Web3 user experience.

NFT Minting Platform

argha.ai - Non-Gaming Project

Built a digital asset minting platform that allows creators to publish, sell, and manage verifiable digital ownership tokens. Engineered smart asset logic with integrated decentralized storage to ensure permanence and transparency. Delivered a full-featured interface that connects users to a blockchain-based asset registry in a seamless, user-friendly way.

Languages

English (Fluent), **Hindi** (Native)

Certifications

Business Execution: Understanding the Fundamentals – Issued Jan 2023

The Beginner's Guide to Artificial Intelligence (Unity 2022) – Issued Jan 2023

Learn Advanced AI for Games with Behaviour Trees – Issued Jan 2023

Sales Made Easy For Everyone - Sell Just Anything To Anyone! – Issued Jan 2023

AMAZING Project Management – Issued Nov 2022

The Ultimate Guide to Video Game Optimisation – Issued Nov 2022

Visual Effects for Games in Unity Beginner to Intermediate – Issued Nov 2022