



Anurag Sen

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Technical Lead & Engineer Unity3D | Flutter | Digital Twin | Oil & Gas | AR/VR/MR and Games

Summary

Robust Programmer turned Developer with a passion for computer graphics, 3D and Interactive Development. C# is on my tips, but I am not limited to language, rather I am more methodology and structure oriented. Besides regular games I can also push the limits of 3d for other applications such as Interactive visualization, simulation and robust AR, VR, MR applications. Looking for opportunities where I can push my skills and collaborate to build the next generation of games, XR applications and push boundaries of multimedia and 3D.

On personal grounds self-starter, pragmatic developer, and product ownership attitude.

Skill Highlights

- [AZ-900 Certified \(Microsoft\)](#)
- Project management
- Strong decision maker
- Complex problem solver
- Technical Savvy
- Flutter Certified
- Innovative UI/UX Design (Figma -AdobeXD)
- Service-focused
- Updated on New-Technologies
- Digital Twin | Azure

Technology Competencies

- C# Programming
- Microsoft's PlayFab
- Vuforia / AR-Core with Unity3D
- Unity 2D / 3D Games and applications.
- Machine Learning – Azure Cognitive
- AWS S3, Workspaces , EC-2
- GCP – Firebase and Fire-Store • Shader Programming {HLSL}
- Project Management.
- Hosted Apps at Play-store & AppStore
- Remote access management tools like Citrix, VDI, Virtual Desktops etc.
- Good knowledge in Version Controlling tools, GitHub, Source-Tree, GitLab
- Very good experience in CI/CD pipeline setup
- API Integration -> RESTApis, Webhooks
- Unity UPM, Smartfox Server, Socket Photon Multiplayer.
- AZURE CLOUD SERVICES

Education

Master of Technology (MTech): **Software Engineering** - 2018

Experience & Projects Highlights

Wipro Technologies | Hyderabad (October 2021 – Present)

Technical Lead

Worked on Digital Twin platform creation using Unity 3D. Azure Services and Team management.

-Roles & Responsibilities: (Developer Relation Management)

1. Created Azure Architecture of entire solutions as requested by client.
2. Collaborated along with Architect and Stakeholders on the development of DTDL solutions for the ENU-Client.
3. Created entire Test plan and CI-CD Setup for Unity 3D and Web application automation onto ADO (Azure Dev-ops Pipelines)
4. Setup multiple services aligned with the development pipeline for smooth transition.
5. Integrating the IoT module and cloud services to Microsoft HoloLens.
6. Worked on Digitalization of P&ID to Digital Twin transformation.

Jio Tesseract (Reliance Group) | Mumbai (August 2021 – September 2021)

Senior Software Development Engineer

Unity 3D SDK Developer relation engineer for smart glasses in-house development product.

-Roles & Responsibilities: (Developer Relation Management)

1. Creation of various backend pipeline in Unity 3D for the MR-Glasses.
2. Left the organization because Wipro re-hired me back for old project.

Employer – Holofair | Dubai (remote) (May 2021 – October 2021)

Technical Lead

Helped the Dubai based Metaverse to setup the Team and engagement to Gamification work, I've worked with the CEO / CTO Closely and Managed the India Team of Game developers.

Managing Game developers India Team

-Roles & Responsibilities: (Project Management)

1. Setup the Secured remote infrastructure on AWS-Workspace.
2. Followed the daily scrum & tracking the work-progress on Trello.
3. Helped my Technical expertise and SME on Unity-Game Engine for Optimization.

4. Lead the team in Technical & Nurturing aspect as in when required.
5. Engaged with the live events & provided support on and bug / glitches tracking finding.

Employer – iNurture Education (Nov-2020 – July 2021)

Senior Faculty Gaming | Professor (D.Y Patil University Pune)

Deputed to ADYPU-University PUNE and Elevating the knowledge of BTech/ B.sc Students Gaming Students, on the working of Unity3D, Artificial Intelligence and C#-Programming.

Managing the education Operation team of 10 People - (9 Months)

-Roles & Responsibilities: (Project Management)

1. Nurtured to BTech/BSc (Gaming Student)
2. Managed the Team and Progress on tasks (Daily) 3. Conducted daily scrum meeting for SDP / FDP / CDP.
4. Placement & Project Coordinator.

Employer – Wipro Technologies (Aug-2014 to Nov-2020)

Senior Game Developer / Project Engineer – Unity3D

Deputation at Saudi Aramco as Senior Simulation Engineer - (7 Months)

- Created Digital Elevation Maps using GDAL (Geospatial Data Abstraction Library).
- Generated the huge Height-Map Terrain of entire country (Saudi Arabia) with accuracy up to 30 meter / pixel.
- Colorized the Map of Kingdom using Unity Shaders HLSL at runtime with color presets based on heights.

High Level Design Contribution towards Collaborative framework for Oil & Gas Major (4-Years)

- Design and Developed the Azure Cognitive search engine over ML custom Skillsets.
- Worked on IBM Watson for an application to control it via voice commands.
- Experienced in design and development of 3D live Visualization tool for ENU-Oil exploration domain.
- Created & Supported the Vessel inspection and Voyage tracking application for BP.

Project Contributions to Other Teams at Wipro: (6-Months)

- Design and Development of an Application using Unity Plugin for EPSON Moverio BT300
- Have experience with CASINO Slot Games – Combination and Validation Testing.

Design and Development of AR & VR Applications: (2-Years) ·

Marketing Application for Automobiles (2-Months)

- Training Simulator POCs for Aircraft Manufacturer (2-Months)
- Product Catalogue AR-Apparel application. (6-Months)
- Path information application POC. (2-Months)
- Virtual Store – Branded Jewelry Retailer
- Museum Walk through
- Network based multiplayer AR-Game Development in Unity (just for learning).

Achievements

1. 2022 Microsoft Partner of the year Award : **IoT (Finalist) Digital Twin Enterprise Platform.**
2. 2018 Q4 I&ES Awards: "**The League Exemplar**".
3. 2018 AR Game Development HACKHATHON 2018: Secured 1st position in India.
4. 2017 Q3 PES Award: "**The League Extraordinary**".

CERTIFICATIONS: [Click Here](#)

Declaration

I hereby declare that all the above information is correct and accurate. I solemnly declare that all the information furnished in this document is free of errors to the best of my knowledge. I hereby declare that all the information contained in this resume is in accordance with facts or truths to my knowledge.

Anurag Sen – 07- Feb -2024