ARAVIND BALA KUMAR SHIVA SANKAR

Phone number (India)   (+91) 9500037222   **Phone number (Ireland)**   (+353) 0892645211

Email address: aravindsbalakumar92@gmail.com
Website: https://aravindbalakumar.github.io/portfolio/
LinkedIn: https://www.linkedin.com/in/aravind-balakumar-s-97142439/
Address: 62, Kilmurry village, Castletroy, County Limerick, Ireland,V94 T9X0

ABOUT ME

A developer having worked in different industries predominantly in AR/VR and Game Development, Currently trying to intertwine technical and creative aspect by actively learning skills and currently pursuing a Master's in Interaction and Experience Design, University of Limerick to gain the necessary design skill required for blending the boundaries of technology and user experience. I bring a global perspective and diverse industry experience, dedicated to making digital experiences as engaging and impactful as possible.

WORK EXPERIENCE

Games programmer   Oct 2022 – Apr 2024

Pixcellplay (originally Nokout)   Chennai, India

- Developed Hacked and Word mastermind in entirety using Unity C# and also engagement enhancing features in Route 66 Game.
- Designed and implemented features as a plug-and-play components, reducing development time by 40% across different projects.
- Developed and deployed cloud functions in rebase to support push notifications increasing the player retention and re-engagement by at least 20%.
- Created events framework that allows the game to create seasonal, timed, and permanent events from time to time that increased player retention by 20%.
- Mentored juniors on optimization and SOLID principles for game development, leading to a 35% reduction in debugging time.
- Created PVP Framework (pseudo PVP) and Tournament Frame to be used across the game.

Games programmer   Jun 2022 – Sep 2022

Nokout   Chennai, India

- Created a custom universal plug and play dictionary framework for games to load words, thus reducing the time to implement the dictionary across games by 20%.
- Developed and deployed cloud functions in firebase to support push notifications.
- Developed the same iterations of the Hacked and Word mastermind in Cocos 2D JavaScript and react to test it across different platforms

Unity Developer   Sep 2021 – Jun 2022

Inspirit VR   Remote, United States of America

- Developed Educational Simulations for STEM concepts such as Law of definite proportions, concentration of solution using Unity C#.
- Worked on the AR education application and the online WebGL app for running the simulations.
- Developed the scenes necessary for the STEM simulation that can be understood by younger audience in a record time by iteratively collaborating with the subject matter expert.
- Solved a memory leak issue in the WebGL app, reducing memory footprint by 12%.

Game Programmer   Jun 2021 – Aug 2021

Foretell   Chennai, India

- Created generic RNG framework as Unity asset using C# in unity to be used for all games.
- As a founding developer, setup the company coding standards and CI/CD pipeline for the company.

- Mentored the new trainee and juniors on coding standards, SOLID principle thus allowing those individuals to code with extensibility and re-usability in their mind.
- Designed core mechanics along with programming them.

Junior Programmer   Aug 2018 – May 2021

Hard N Soft Technologies   Chennai, India

- Spearheaded the development of the R&D for AR/VR and created proof-of-concept projects. Using these projects, we were able to successfully secure projects from the clients for which I was awarded as the best performer of the quarter of 2019.
- Developed AR application that solve furniture and garden decoration problems by leveraging Unity C# and AR Kit.
- Developed an automobile-based AR application that allows people to visualize car features and customize them.
- Worked closely with the team at Ford APAC and Audi for delivering the AR experience needed.

Web Programmer   Aug 2016 – Jun 2017

Viralbae   Chennai, India

- Work closely with clients to develop their website using HTML,CSS and React JavaScript.
- Assisted clients with creating SEO for their page by finding the right keyword.
- Also worked with clients on regular basis to understand their SEO ranking and strategize plans to improve SEO of their websites.
- Develop a website using WordPress and PHP for standalone and single landing page website.

SKILLS

Programming

C#, React JS, HTML, CSS, JavaScript, JSON, SQL

Tools

Unity Game Engine, Firebase, GitHub, Figma, Adobe XD, Visual Studio, Visual Studio Code, Microsoft Office Suite

Technologies

AR/VR Development, Game Development, Website Development, Web App Development, User centre Design, User Experience

MANAGERIAL SKILLS

Mentorship: Mentored junior on and improved their coding capabilities

Leadership: Took on the role of setting up the company's development team while working with foretell.

Research: Researched and developed leads for Hard N Soft Technologies and conducted research for ideations across.

Client handling: Interacted with clients capturing their needs and created tailored solution's to each one of them.

EDUCATION

Masters in Interaction and Experience Design   Sep 2024 – Sep 2025

University of Limerick   Limerick, Ireland

Post Graduate Diploma in Game Development   Sep 2017 – Aug 2018

ICAT Design and Media College   Chennai, India

Bachelors Of Engineering Computer Science   Sep 2012 – Apr 2016

St Joseph's Institute of Technology   Chennai, India