



ROBY P K

[GAME DEVELOPER]

RELEVANT SKILLS



Unity



Unreal



Godot



Blender

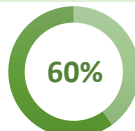


Git

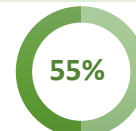
Other Skills



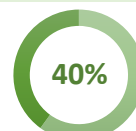
Next JS



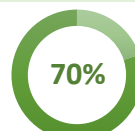
MongoDB



AWS



Three JS



TypeScript

CONTACTS

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EDUCATION

Bachelor's Degree in
Electrical and Electronics
Engineering (2016)

Bishop Jerome Institute, Kollam,
Kerala.

STRENGTH

- Communication Skill
- Confidence
- Determination
- Critical thinking
- Team work
- Documentation

CAREER OBJECTIVE

To work and practice my knowledge as a Game Developer and add to my overall experience by becoming a valued member of a growing company.

EXPERIENCE

Senior Game Developer [March 2024 – Present]

Improvement Interactive, Tucson, AZ

- Smash Your Fitness– Windows, Mac**
"Smash Your Fitness" is an indoor cycling simulator game that connects to a physical exercise bike, allowing players to improve their fitness while engaging in a realistic virtual cycling experience on Windows and Mac.
 - Improved visuals and performance by optimizing 3D environments, including terrain and animations.
 - Enhanced asset management and reduced game load times with Unity Addressable across scenes.
 - Developed custom features, like looping terrains and dynamic road generation, for a more immersive experience.

Unity Developer [April 2022 – Feb 2024]

Olive Group, Dublin, Ireland

- Ocado Group Induction – WebXR**
Designed and developed gameplay mechanics for 'Ocado Group Induction,' a gamified onboarding platform to enhance the new employee induction experience
- Microsoft DreamSpace – WebXR**
Developed interactive gameplay features for Microsoft DreamSpace, an educational platform aimed at providing students with an introductory experience of DreamSpace.
- Electric Circuit Simulator -VR**
Contributed as a programmer to the development of Electric Circuit Simulator, an immersive VR game focused on electric circuits and electronics education.
- Building Construction -VR**
Served as a programmer for Building Construction Simulator, a VR game that provides immersive construction experiences.
- Rugby Tactics Builder – WebXR**
Served as a gameplay programmer for Rugby Tactics Builder, a software solution designed to assist coaches in building, visualizing, and training players in tactical rugby strategies.

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HOBBIES

- *Gaming*
- *Travel*
- *Movies*
- *Listening music*

Game Developer in Robotics R&D [Jan 2021- April 2022] *Genrobotics Innovations, Kerala, India*

- Developed an endless runner 3D game called G-runner for the medical mobility robot, G- Gaiter.
 - Level design and gameplay programming were done in Godot (Game Engine).
 - Modelling of game-ready 3D assets and baking PBR texture atlas done in blender for better game optimization.
 - Created both simulated and armature based animations.
 - UV Unwrapping of game-ready models.
 - UI/UX design and programming done in Godot.
 - Sensor integration using python (pyserial, socket).
 - Optimization and Drawcall reduction for better performance and reasonable FPS.
- Worked closely with web developers, ROS engineers and android developers to develop Control and Infotainment UI/UX that handles admin access, patient registration, session management and live data synchronization for the medical mobility robot, G- Gaiter in an open source Game Engine called Godot.

PAST WORK EXPOSURE

- MEP engineer at Hi-Tech Medical Gas Solutions, Kollam. (Authorized Exclusive Channel Partner (India) & Installer of Greggersen Gas Tech, Germany), from May 2019 to Aug 2020.
- MEP instructor at Career Tech Institute Kollam, from September 2018 to March 2019.
- Electrical Maintenance Engineer at Techno Grade Services, Ernakulam, from April 2017 to July 2018.
- Electrical Engineer at Infrast Architects & Builders, Kollam.

CO-CURRICULAR ACHIEVEMENTS

- Coordination committee member for the TESLA Tech fest held at Bishop Jerome Institute
- Participated in National Conference on Energy Conservation
- Participated in inter-college cricket tournament
- Secretary of the college arts club.

FAVOURITE GAMES

- Tomb Raider : 2013
- Assassin's Creed II
- Mafia II
- God of war 4
- Red Dead Redemption 2
- Batman: Arkham Knight