



ROBY P K

[GAME DEVELOPER]

RELEVANT SKILLS



85%

Unity



60%

Unreal



70%

Godot



50%

Blender



70%

Git

Other Skills



70%

Next JS



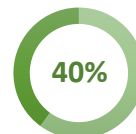
60%

MongoDB



55%

AWS



40%

Three JS



70%

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

Lead Developer [Dec 2024- Present]

Amrita Vishwa Vidyapeetham, Kollam, Kerala

Currently leading a team of seven developers in the PSSCIVE projects, funded by the Ministry of Education, India. Our team is focused on designing and developing Virtual Labs for Vocational Higher Secondary students, enabling immersive and interactive learning experiences. My role involves overseeing the entire development lifecycle, ensuring high-quality implementation, optimizing performance, and driving innovation in Unity-based simulations.

Senior Game Developer [March 2024 –Dec 2024]

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.

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HOBBIES

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

- **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.

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.

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.

FAVOURITE GAMES

- Tomb Raider : 2013
- Assassin's Creed II
- Mafia II
- God of war 4
- Batman: Arkham Knight
- Uncharted 4: A Thief's End