



ROBY P K

[GAME DEVELOPER]

PROFILE

I'm Roby P. K, a gamer with lots of interest in game development. Besides being an Electrical engineer. I was greatly excited about the world of games and being a game developer. So I switched my profession from Electrical to game development. I started with 3D modeling and then on to animation and programming. I'm so happy to say that I managed to study all these myself and continuing studying with the same curiosity and enjoyment from the beginning. That gives me the confidence in this field. It was purely my love and passion for this that helped me spent hours devoting myself, hoping to build my career as a game developer.

CONTACTS

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EDUCATION

🎓 Bachelor's Degree in
Electrical and Electronics
Engineering (2016)
*Bishop Jerome Institute, Kollam,
Kerala.*

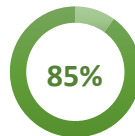
STRENGTH

- *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.

RELEVANT SKILLS



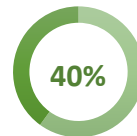
C#



C++



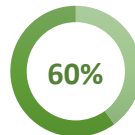
Python



TypeScript



Unity



Unreal



Blender



Godot

EXPERIENCE

Unity Developer [April 2022 – Present]
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.
- **Truck Induction –WebXR**
- **Olive Portfolio – AR**

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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