

# Dietmar Cerpa

## ELECTRONIC ENGINEER – COMPUTER MENTION

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### Profile

Developer with +6 years of experience using multiple technologies in projects for both public and private sector.

Extensive experience in development with Android Studio IDE using Java and Kotlin, Unity 3D using C# and Java Script, IoT projects using Bluetooth BLE and Classic.

Experience using SQL Databases such as SQL Server, SQLite3 and NoSQL databases like Realm and Firebase (Realtime Database and Cloud Firestore).

TypeScript for Google Cloud Functions with Firebase and Cloud Messaging for Push Notification.

Born in Venezuela, 33 years Old, Living in Colombia, Bogotá.

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### Academic Background

Jul. 2018	<b>Electronic Engineer – Computer Mention</b> Universidad Yacambú - Venezuela
Oct. 2018	<b>Intermediate English – B2</b> Open English – E Learning
N/A	<b>Native Spanish</b>

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### Technical Skills

#### Programming Languages:

C#, C++, C, VB6, Java, Kotlin, TypeScript, Ladder, Block.

#### Serverless Environment:

Android Studio and Unity3D with Firebase Services.

#### Databases:

SQL Server, SQLite3, MySQL, Realm, Realtime Database, Firestore.

#### Operative Systems:

Windows, WSL2 (Windows Subsystem for Linux).

#### Version Control:

GIT, GitHub, Bit Bucket, Plastic SCM.

#### Software Architectures:

MVC, Layered, Master-Slave, Monolithic.

#### Other:

Arduino, PIC, Assembler, Flutter, Game Maker 2, Blender, Illustrator.

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## Certifications

Oct. 2023	<b>Software Architecture</b> Platzi – E Learning
Sep. 2023	<b>Pattern Design</b> Platzi – E Learning
Jan. 2023	<b>Video game Direction</b> Platzi – E Learning
Apr. 2022	<b>Mobile games with Unity</b> Platzi – E Learning
Mar. 2022	<b>C# for Video games</b> Platzi – E Learning
Feb. 2022	<b>Programming for Videogames with Unity</b> Platzi – E Learning
Feb. 2022	<b>Git &amp; GitHub Professional Course</b> Platzi – E Learning
Sep. 2021	<b>Game Design</b> Platzi – E Learning
Aug. 2021	<b>SCRUM Professional Course</b> Platzi – E Learning

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## Professional Experience

2022 – 2024	<b>Project: Caida Online</b> <b>Client: Luis Hernandez</b>  Software Engineer – Programmer – Designer Technologies: C#, Photon PUN2, Firebase, Unity.
2022 – 2023	<b>Project: UI Panels</b> <b>Client: COMPLEX PCB</b> <a href="https://complexpcb.com/">https://complexpcb.com/</a>  Software Engineer – Programmer – Designer Technologies: C#, SQLite3, Software Serial, Blender, Unity.
2021 – 2022	<b>Project: Elderly Adults Residence Domotic Control</b> <b>Client: COMPLEX PCB</b> <a href="https://complexpcb.com/">https://complexpcb.com/</a>  Software Engineer – Programmer – Designer Technologies: C#, SQLite3, Software Serial, Blender, Unity.
2022	<b>Project: VR Store with Unity</b> <b>Client: Markeytek LLC</b> <b>Development For: HUEB LLC</b> <a href="https://www.markeytek.com/">https://www.markeytek.com/</a>  Programmer Technologies: C#, MySQL, AWS, Unity

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## Personal Projects

2022 – 2023

### **Crypt Creepers**

2D third-person desktop shooting game in pixel art style that provides a single-player experience where you will face countless waves of enemies that appear randomly until the player dies, it is based on an arcade game where they are stored always your last three high scores and being able to choose a name for the score winner.

A local database was used using shared preferences, the assets were obtained for free through itch.io royalty free.

Technologies: C#, Unity2D, Animator.

2021 – 2022

### **Chess 3D Multiplayer**

3D desktop game with single player and online multiplayer for Windows, turn-based game where each player selects his team according to color and allows playing in real time.

The game allows you to play with a small AI in single player mode, for multiplayer Photon PUN2 is used as a technology that allows data to be transmitted asynchronously using events and callbacks.

No database or login is managed.

Technologies: C#, Unity3D, Photon PUN2

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## References

Eng. Victor Leon

Software Developer, BBVA  
Phone: +34 600 76 90 15

Walter Fernandez

CEO, Complex PCB  
Phone: +54 9 2954 62-3070

Workana LLC

Freelancer Profile:

<https://www.workana.com/freelancer/17b0c5d05df7d11ee674eaf820fa651b>