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| **Carlos Colmenares A.**  **Project Engineer** |  |
| I have been a consultant for the development of highly technical IT projects in more than forty (40) national and foreign corporations and companies, some as prestigious as The Registro Nacional of Costa Rica (San José, Costa Rica), Banco Invercrédito (Bogotá, Colombia), and in Venezuela: PDVSA, CARGILL, as well as thirteen (13) banks. For the past twenty years, I have also been developed a successful career as a project engineer, especially in designing and installing electronic systems for public safety and microwave telecommunications | ...My other passion has always been software programming, and as a freelancer, I develop professional websites, smartphones, and server applications. This passion forces me to stay constantly updated on new technologies and trends within the software development ecosystem. |
| **Contact** | **Education** |
| +58 414 324 63 96 | 1976-1981 |
| [ccolmenaresa@gmail.com](mailto:ccolmenaresa@gmail.com) | **Ingeniero Electrónico (Mención Telecomunicaciones)** |
| [https://carlos-colmenares-a.netlify.app](https://carlos-colmenares-a.netlify.app/)  <https://www.linkedin.com/cycscarlos> | Universidad Nacional Experimental Politécnico  **Antonio José de Sucre** |
| <https://github.com/cycscarlos> |  |
| Caracas, Estado Miranda, Venezuela |  |
| **Skills** | **Licenses & certifications** |
| **Web Development Skills** | 1979-2023 |
| HTML CSS  JavaScript Python NodeJS My SQL  MongoDB  Figma | IBM - s/370 Conceptos y Facilidades BND - Organización y Metodos  IBM - OS/VS1 Conceptos y Facilidades IBM - DOS/VSE Control de Sistema  IBM - DOS/VSE Conceptos y Facilidades IBM - Codificación VSAM (COBOL)  IBM - Utilización VM/CMS |

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| APIs | IBM - VM/SP Instalación |
| Artificial Intelligence | Banco Maracaibo - PERT C.P.M. |
|  | IBM - CICS/VS Codificación Nivel Comando |
| **Mainframe skills** | IBM - PL/1 Análisis de Aplicaciones |
| Assembler | Abaco - THE LIBRARIAN |
| Cobol ANSI 74 | Abaco - ADR/DATADICTIONARY Utilización |
| VSE, VM & zOS | The technical English Workshop - English |
| CICS/ESA | ADR (USA) - SQL for DB2 & ISA for DB2 |
| ACF/VTAM & NCP | IBM - SNA Data Flow & Performance |
|  | IBM - Capacity Planning |
|  | IBM - MVS/JCL Utilities |
|  | Computer Associates (USA) - CICS/VSE Internals |
|  | Computer Associates (USA) - CA-DISPATCH Internals |
|  | Computer Associates (USA) - ACF/VTAM internals |
|  | Computer Associates (USA) - ACF/VTAM Performance |
|  | IBM - Moving to VSE/ESA Client/Server Solutions |
| **Conferences** | **Work Experience** |
| **1986 to 1988** | **1977-1981** |
| IDEAS (Intercambio de Ideas Anuales de Software)  Hotel Caracas Hilton, Venezuela | **System Programmer Junior Banco Nacional de Descuento** |
| Ponente | Temáticas:   * Performance & Tuning Aspects on VSE/ESA * Virtual Machine (VM/SP) installation Topics * Capacity Planning techniques on MVS/ESA | "I was part of the team of specialists in the technical support division of the computing vice-presidency at the Bank. Like my colleagues, we were in charge of keeping the computational infrastructure based on IBM Mainframe technology operational" |
| **1988** | **1982-1984** |
| System Software Conference  New Jersey, USA | **System Programmer Senior Banco Maracaibo** |
| Oyente | "I was in charge of the team of specialists in the technical support division of the computing vice-presidency at the Bank. |

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| **1989**  CADRE  New Jersey, USA Oyente  **2004**  La Red del Estado UNEFA, Venezuela Oyente  **2006**  Gobierno Electrónico UNEFA, Venezuela Oyente  **2006**  Tecnología y Gerencia IESA, Venezuela Oyente  **2011**  Liderazgo y Transformación IESA, Venezuela  Oyente  **Hobbies**  Basketball | Baseball | Boxing | Football | Music | Beach | Reading | die-hard technologist | Among other functions, I was responsible for maintaining the operational status of the computational infrastructure based on IBM Mainframe technology.  ..and finally, coordinate with other IT areas for the implementation of new projects, research, testing, and production installation (DevOps) of new versions of operating systems or software packages for both systems and applications"  **1984- 1991**  **System Software Technical Director Sistemas de Computación ABACO**  "I was in charge of the technical area for system software products of Computer Associates, Inc., a world leader in software development for IBM MVS, VM, and VSE operating systems. My main objective was to provide consulting and product installation services for clients with IBM Mainframe technology. The quality of the service provided and the projects success were endorsed by my hiring by foreign entities (such as Banco Invercrédito in Bogota, Colombia, and the National Registry of Costa Rica)"  **1991- 2011**  **Senior Project Engineer CYCS Computing specialist**  "My goal was to develop and promote specialized consulting services management in two areas: 1. Capitalize on the highly technical requirements of those clients with IT infrastructure based solely on IBM Mainframe technologies, and design and installation of Microwave Telecommunications Networks and Industrial-grade Electronic Security Systems.  The success of my management is endorsed by the extensive hiring of clients for the development of high-level technical projects" |

# 2012- 2019

## Senior Project Engineer

**CYCS Ingeniería e Instalaciones**

"My goal was to develop and promote the new consulting area, focused on providing design, installation, and training services for telecommunications systems (specifically Microwave networks), and industrial-grade electronic security systems. The success of my management is endorsed, both by the quantity and the technical complexity of the projects contracted and successfully executed for large- scale and high-level corporate clients.

Below you will find links to two successful projects that were reviewed at the time by the Taiwanese company Airlive, a world leader in network technology and security video cameras"

 [**CEGASA 2016.** IP Video Surveillance and](https://airlivela.blogspot.com/2016/04/implementan-un-sistema-de-video.html?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A%2Bblogspot/nkNtE%2B(Air%2BLive%2BLatin%2BAmerica)) [Telecommunication](https://airlivela.blogspot.com/2016/04/implementan-un-sistema-de-video.html?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A%2Bblogspot/nkNtE%2B(Air%2BLive%2BLatin%2BAmerica))

 [**FITVEN 2013.** IP Video Surveillance and](https://airlivela.blogspot.com/2013/11/fitven-2013-de-venezuela-confio-en-las.html?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A%2Bblogspot/nkNtE%2B(Air%2BLive%2BLatin%2BAmerica)) [Telecommunication](https://airlivela.blogspot.com/2013/11/fitven-2013-de-venezuela-confio-en-las.html?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A%2Bblogspot/nkNtE%2B(Air%2BLive%2BLatin%2BAmerica))

# 2019 - Present

## Senior Consultant Freelance

"During the pandemic phases (virus outbreak, lockdown, and the difficult post-pandemic era), I had to reinvent myself, and since then I provide services in the software engineering area of design and development of applications for smartphones, PCs, and servers. Likewise, I continue to provide maintenance services for legacy projects and the installation of new projects for clients in the areas of telecommunications and electronic security systems"