

Douglas Cortes

Software Developer – C#, .NET, Blazor PWA, Android & Power Platform

Aug 24, 1996, Colombian, Driver licence CA - Y1574569

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Portfolio: <https://dufacoga.github.io>

Professional Summary

Results-driven software developer with over 7 years of experience, primarily in C# development, IT support, and system administration. In recent years, I have expanded into modern technologies such as Blazor WebAssembly and Kotlin/Jetpack Compose for Android apps with offline-first architecture. Known for building reliable backend solutions, optimizing infrastructure, and delivering clean, maintainable code. Currently seeking a Junior Developer position in the U.S. to continue growing in mobile and web development while leveraging my strong foundation in .NET and cloud support.

Technologies & Tools

- * Core Languages: C# (7+ years), JavaScript, Kotlin
- * Frameworks/Libraries: .NET, ASP.NET, Blazor WebAssembly, PowerApps
- * Mobile & Offline: Jetpack Compose, Room DB
- * Cloud & Backend: SQL Server, MySQL, SQLite, Active Directory, Google Cloud
- * Tools & Platforms: Visual Studio, Git, GitHub, GitHub Pages, Material Design 3
- * Other: REST APIs, full-stack development, infrastructure setup, IT support

Work Experience

Freelance Software Developer

Cortes Garcia Inmobiliaria SAS – Bogotá, Colombia | May 2024 – Present

- * Built a Blazor WebAssembly app that digitized cash payment registration at real estate offices by scanning QR/barcodes on customer receipts, automatically notifying management.
- * Helped eliminate untracked cash transactions and improved real-time cash flow visibility without waiting for end-of-day reconciliation.
- * Currently developing an Android app in Kotlin to log employee check-ins/outs, especially for sales agents visiting client appointments.
- * The app will help reduce disputes over appointment attendance and ensure sales agents submit outcomes before receiving transport reimbursements.

* Project status: backend 80% complete, frontend 68% complete.

Cloud Infrastructure Consultant

All Win System SAS – Bogotá, Colombia | Jun 2020 – Present

- * Led migration from shared hosting to Google Cloud, Oracle Cloud, and VPS, improving system performance for a high-throughput real-time voting and visitor management application.
- * Enabled infrastructure stress testing and cost-optimization strategies that eliminated hosting fees on Google Cloud and Oracle Cloud by leveraging free-tier and trial programs.
- * Guided final deployment to VPS, achieving better reliability and eliminating service outages experienced under shared hosting.

Junior Developer

Astaf Consultoria Empresarial – Bogotá, Colombia | Feb 2020 – Mar 2021

- * Developed internal PowerApps that replaced Excel-based macros, reducing data crashes and improving record entry by over 50%, saving more than 15 hours per week in administrative tasks.
- * Built applications with advanced search, record editing, and SharePoint integration; later recommended and advocated for migration to SQL Server.
- * Engineered a C# Windows Forms desktop app integrated with SharePoint and RDLC reports to enhance process automation and data control.
- * Delivered a COVID-adapted client-facing website in 1 week (normally 3), helping the company adjust communications during national lockdown.
- * Fixed layout and data flow issues on existing WordPress and Joomla sites, reducing client-side errors and improving user experience.

IT Support Specialist

Cortes Garcia Inmobiliaria SAS – Bogotá, Colombia | Jul 2016 – Jan 2020

- * Implemented complete IT infrastructure overhaul including Microsoft Active Directory, Asterisk VoIP, and a PfSense firewall, which improved company infrastructure security and reduced incidents by 73%.
- * Reduced licensing costs by 95% using Zentyal as a domain controller and set up virtualized servers with VMware vSphere.
- * Maintained uptime and performance for accounting systems, file servers, and internal communications for a 10-user office, maintaining 99.9% uptime over 4 years.

System Administrator

Civilnet Ingenieria SAS – Bogotá, Colombia | Jan 2015 – Jun 2016

- * Migrated SharePoint 2013 to 2016 and deployed replication servers using Hyper-V and VMware vSphere.
- * Enhanced productivity for over 200 employees nationwide by modernizing workflows with 5–7 SharePoint automation flows.
- * Implemented mirrored and cascading servers to improve datacenter reliability and reduce single points of failure.

Technical Support Assistant

Cortes Garcia Inmobiliaria SAS – Bogotá, Colombia | Jun 2013 – Dec 2014

- * Provided first-line support from scratch, resolving 1–2 daily incidents with printers, laptops, and desktop PCs.
- * Established proactive maintenance routines, helping the company transition from zero IT support to a fully functional environment.

Education

High School Diploma | Liceo Pedagógico – Bogotá, Colombia (2012)

Languages

- * Spanish: Native
- * English: Fluent

Project Highlights

- * Portfolio: Built using Blazor WebAssembly, CSS Grid, and GitHub API with light/dark mode and dynamic project fetch – <https://dufacoga.github.io>
- * FlexiQueryAPI: .NET 8 Web API to execute SQL queries (MySQL, SQLite, SQL Server) with API Key authentication – <https://github.com/dufacoga/FlexiQueryAPI>
- * Additional Projects: Cloud migration practice, DevOps automation, and mobile development using .NET MAUI – <https://github.com/dufacoga>

Additional Information

- * Work Authorization: Legally authorized to work in the United States. No sponsorship required.
- * High School completed in Colombia.