Carlos Gabriel

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👤 PROFILE

Highly educated professional with a Postgraduate degree in Software Architecture, a Master's degree in Artificial Intelligence in Healthcare, and a Bachelor's degree in information systems, along with certification as an Electromechanical Technician. Offering over 11 years of experience in Mobile Development, Full stack Development, Backend Development, and Software Engineering. Adept at collaborating with teams to deliver exceptional results with strong leadership.

Proven track record in developing and maintaining Xamarin/MAUI/Flutter mobile applications, supporting integrations, and delivering backlog tasks for active projects. Skilled in agile scrum methodologies and designing high-performance, scalable mobile applications. Experienced in implementing clean code standards, resolving issues in existing applications, and providing technical guidance and support. Proficient in testing, deployment, and developing system solutions.

Specializing in software and application development, conducting requirements analysis, defining product architecture, and performing unit and functional testing. Knowledgeable in best practices for managing data environments and integration. Possessing soft skills such as empathy, leadership, initiative, and direct communication.

💼 WORK EXPERIENCE

12/2021 – present
Lisbon, Portugal

Tech lead
Xpand IT
1. Fullstack Development of a Video Conferencing Tool
Led the development of a video conferencing platform leveraging Azure Communication Services. Worked as a fullstack developer using .NET Framework (MVC) and Entity Framework. Managed DevOps processes and pipeline setup, while also mentoring a junior developer. Responsibilities included backend development, UI integration, and continuous delivery practices to ensure reliability and performance.

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2. Technical Leadership in a Financial Application
Acted as the technical lead for a financial application, overseeing the technical direction of the team and providing ongoing support to team members and clients. Technologies used included .NET Core, Xamarin/.NET MAUI (including migration efforts), microservices architecture, Azure (Cosmos DB, Service Bus), Azure DevOps (pipeline creation and automation), Sitecore, and Vue.js. Also responsible for implementing load testing strategies with JMeter and maintaining comprehensive technical documentation.

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3. Backend Development for a Financial Application
Served as a backend developer on a financial application, focusing on the design, development, and optimization of APIs and business logic using .NET Core. Contributed to the stability and scalability of the platform while collaborating closely with frontend and QA teams.

💼 WORK EXPERIENCE

01/2018 – 06/2022
Barueri, Brazil

Mobile Principal Architect
Glic
Role: Mobile Architect – Freelancer
Application development for the health sector (diabetes) | Technical analysis of new features | Planning and design of new features | Legacy maintenance | Mobile application architecture | Mobile application devops (iOS/android) | Agile practices | C#, Xamarin.Forms, Xamarin.iOS, Xamarin.Android, AppCenter, Bitbucket, GIT, Devops, Agile.

05/2021 – 11/2021
Lisbon, Portugal

Senior software engineer
Bee Engineering
Role: Xamarin Developer
Development of new social network using Xamarin.Android | C#, Git, Xamarin.Android, AppCenter | Whiz – Apps no Google Play.
- Developed cross-platform mobile applications using Xamarin.Android.
- Collaborated with a team of designers and developers to implement new features and enhancements for existing Xamarin apps.
- Conducted regular code reviews and performance optimization to ensure app stability and efficiency.
- Integrated third-party APIs and libraries to enhance functionality and user experience in Xamarin projects.

10/2019 – 11/2021
Belo Horizonte, Brazil

Mobile Principal Architect
Qualitab
- Developed mobile applications with Flutter, defining architecture and implementing maintenance processes
- Maintained mobile applications with Cordova, ensuring smooth operation and user experience
- Defined and implemented devops strategies for mobile applications, utilizing tools such as Azure Devops and Fastlane
- Specialized in mobile architecture, focusing on technologies like Flutter and Cordova as a Freelance Mobile Architect

06/2020 – 05/2021
Belo Horizonte, Brazil

Tech Lead
SGA Tecnologia Inteligente
- Spearheaded system development for insurance companies, overseeing frontend, backend, and mobile development projects
- Led the development of a cloud file backup tool, managing frontend, backend, and Windows service components
- Designed and implemented an integration tool with cloud resources, optimizing architectural efficiency
- Introduced agile practices to streamline development processes and enhance team collaboration
- Planned and executed mobile application architecture projects, ensuring seamless user experience
- Successfully published mobile applications and applications on various platforms including Azure C#, Xamarin, ASP.NET MVC, Entity Framework (6 and Core), Oracle, SQL Server, Azure, and Azure DevOps

02/2020 – 06/2020
Belo Horizonte, Brazil

Senior Software Engineer
Techedge Brasil
Role: Senior Software Engineer
- Led a team of developers in designing and implementing a scalable cloud-based solution, resulting in a 30% increase in system performance.
- Collaborated with product managers to define technical requirements and deliver high-quality software solutions on time and within budget.
- Mentored junior engineers in best practices for software development, resulting in improved coding standards and overall team performance.

💼 WORK EXPERIENCE

- Investigated and resolved complex technical issues, resulting in improved system reliability and client satisfaction.

07/2019 – 02/2020
São Paulo, Brazil

Senior software engineer
FIELDCORP
- Spearheaded the architecture of mobile applications with a whitelab concept
- Developed mobile applications incorporating HereMaps SDK for seamless integration
- Utilized agile practices in the development process
- Proficient in C#, Xamarin, HereMaps SDK, Azure Devops, SQL Server, and Redis Cache

08/2018 – 08/2019
Belo Horizonte, Brazil

Software solutions Architect
Reply
- Executed mobile application architecture and web application architecture for various projects
- Spearheaded the development of applications specializing in payrolls
- Designed and developed mobile applications using React Native and Xamarin
- Developed web applications using Angular (7, 8)
- Implemented agile practices for project management
- Proficient in C#, Xamarin, React Native, Angular, Layer architecture, ASP.NET MVC, Oracle, and SQL Server

08/2017 – 08/2018
Belo Horizonte, Brazil

Senior software engineer
Grupo Mult
- Spearheaded the mobile application architecture for projects, emphasizing map functionality
- Developed cutting-edge applications with a keen eye for UI/UX design
- Successfully published mobile applications on HockeyApp platform
- Implemented agile practices for improved project efficiency
- Proficient in C#, Xamarin, Prism Plugin, HockeyApp, and SQLServer technologies.

01/2018 – 02/2018
Belo Horizonte, Brazil

Teacher | Instructor
Cotemig College
- Delivered comprehensive instruction on mobile application development concepts using Xamarin
- Covered topics including introduction to the Xamarin framework, navigation elements, UI controls, databases in mobile applications, and API services integration
- Taught integration with maps, GPS usage, and implementation of Push Notifications using C# and Xamarin

08/2014 – 01/2017
Belo Horizonte, Brazil

Senior Software Engineer
CI&T
• Developed frontend for postgraduate courses website, transitioning from classic Asp to ASP NET MVC for improved user experience.
• Implemented layered architecture and supported various web technologies like C#, WebForms, Bootstrap, and Oracle.
• Collaborated with teams to enhance web application functionality and usability, ensuring seamless user interaction.
• Utilized skills in html, javascript, css, bootstrap, and jquery to create a visually appealing and responsive website.

🎓 EDUCATION

10/2023 – present
Ponte de Lima, Portugal

Master's degree Artificial Intelligence for Health | Master's degree
Centre European Master's Programme
This **MSc / PGDip Artificial Intelligence for Healthcare** will provide a broad introduction

to AI's enormous potential and will prepare you to lead multidisciplinary teams that develop **Artificial Intelligence projects in healthcare** organisations and related industries.

With this **online MSc / PGDip** you will gain a broad overview of the technical, regulatory, economic and ethical aspects needed to develop AI projects in the healthcare sector. You will learn basic concepts of programming and data processing, as well as the Artificial Intelligence models that can be applied to diagnosing and monitoring different pathologies. By the end of the course, **you will have an understanding of the tools needed to implement AI projects and methodologies** across the healthcare sector.

02/2022 – 10/2024
Belo Horizonte, Brazil

Postgraduate Distributed Software Architecture | Post Degree
PUC Minas
This course plays a strategic role in the professional development of those aspiring to a career as a software architect. It was designed to provide skills and competencies for the advanced training of professionals involved in the conception, construction, and implementation of software using aspects of software architecture in distributed environments. Its justification stems from the increasing adoption of Internet-based technologies and standards, the demand for applications on mobile devices, as well as the need for storage, processing, and integration of large volumes of data that have driven the proliferation of applications developed in distributed architectures. In this context, the DevOps culture and the expansion of cloud computing services stand out. This course will help you understand the need for innovative software solutions with consistent architectures and develop architectural solutions that address the architectural requirements and standards necessary for software construction from various technological perspectives.

01/2010 – 01/2017
Varginha, Brazil

Degree in information system | Bacharelado
Southern Minas University Center
- Developed a comprehensive database management system as part of a class project, streamlining data storage and retrieval processes for a local non-profit organization.
- Successfully completed coursework in advanced programming languages, including Java and SQL, resulting in a deep understanding of software development principles.
- Participated in a team project to implement a new software application for a local business, leading to a 20% increase in efficiency and customer satisfaction.
- Demonstrated strong problem-solving abilities by troubleshooting and resolving complex technical issues during hands-on lab assignments and class projects.

01/2010 – 01/2014
Rio de Janeiro, Brazil

Information Technology | Bachelors Information System
Estácio
- Developed and implemented a new software system for a local non-profit organization, increasing efficiency and reducing operational costs by 15%.
- Led a team of classmates in a project to design and build a mobile application, resulting in a successful launch on both iOS and Android platforms.
- Conducted in-depth research on emerging technologies and trends in the IT industry, presenting findings to faculty and peers in an annual symposium.
- Completed a summer internship at a tech startup, where I gained hands-on experience with network security protocols and troubleshooting techniques.

01/2005 – 01/2007
Belo Horizonte, Brazil

Industrial Electronics Technology | Electromechanical technician
Centro Federal de Educação Tecnológica de Minas Gerais
- Designed and implemented a fully functional control system for a conveyor system as part of a collaborative class project, showcasing proficiency in PLC programming and troubleshooting.
- Completed a hands-on internship at a manufacturing facility, where I diagnosed and repaired electrical components on industrial machinery, ensuring minimal downtime and optimizing production efficiency.

EDUCATION

- Demonstrated strong problem-solving skills by identifying and resolving complex electrical issues in a timely manner during lab experiments and projects.
- Collaborated with a team of classmates to develop and present a comprehensive research project on the latest advancements in industrial electronics technology, receiving positive feedback from industry professionals and peers.

LANGUAGES

English
PROFESSIONAL

Portuguese
NATIVE

VOLUNTEERING

10/2019 – 10/2019
Belo Horizonte, Brazil

Speaker
XAMARIN SUMMIT 2019
The Xamarin Summit is an event that takes place every year in Brazil, bringing together Xamarin developers from all regions of Brazil and other countries in South America.

The event is suitable for people of any knowledge level about Xamarin.

01/2017
Belo Horizonte, Brazil

Board Member
Random Hacks
Being together to talk about technology in order to bring innovation to our society, sharing diverse knowledge about what happens in the world of infrastructure and software development.

08/2017 – 08/2017
Belo Horizonte, Brazil

Speaker
Squadra Digital
Inspiratio is an initiative of Squadra Tecnologia that aims to bring mini-lectures to its collaborators on various technology subjects.

The topic discussed was Xamarin led by the facilitator, Carlos Henrique Rocha Gabriel. A very rich discussion that presented practical examples and mobile development trends for all platforms, using a single tool.

06/2017 – 06/2017
Belo Horizonte, Brazil

Speaker
Xamarin Dev Day BH
Xamarin Dev Days are community-driven learning experiences aimed at beginning mobile developers to help build, test, and connect native iOS, Android, and Windows apps.

Explore mobile device development with free training courses from Xamarin experts and local community members. Then, after lunch, have the opportunity to put new knowledge into practice by building a cross-platform, cloud-connected application with Xamarin and Azure in Visual Studio.

08/2017 – 08/2017
Belo Horizonte, Brazil

Speaker
COTEMIG - Colégio e Faculdade
Lecture Title: DependencyService and Custom Renderers in Xamarin Forms

DependencyService
Accessing native functionality

The DependencyService allows applications to invoke platform-specific functionality

♥ VOLUNTEERING

from shared code. This functionality allows Xamarin.Forms apps to do anything a native app can do.

Custom Renderers
Change the appearance and behavior of controls

Xamarin.Forms user interfaces are rendered using the native controls of the target platform, allowing Xamarin.Forms applications to maintain the proper look and feel for each platform. Custom Renderers allow developers to override this process to customize the appearance and behavior of Xamarin Forms controls on each platform.

11/2017 – 11/2017
Belo Horizonte, Brazil

Speaker
Faculdade Estácio de Sá de Belo Horizonte - FESBH
PWA - What You Should Know About

☑ CERTIFICATES

04/2020

Software Architecture Fundamentals
desenvolvedor.io
https://desenvolvedor.io/certificado/92609e63-94bb-4ebc-a039-c2fbad0a6e2c

04/2018

Xamarin Certified Mobile Professional
Xamarin
https://university.xamarin.com/certification?q=cacaxiq@hotmail.com#verify

03/2017

Microsoft Participation Certificate - Basic Xamarin Marathon
Microsoft

07/2023

ChatGPT para Python + 7 Projetos Python Reais com ChatGPT IA
Udemy
https://www.udemy.com/certificate/UC-6492ee18-8f20-47b6-9fe4-d40b46c92294/

Microsoft Certification 70-480: Programming in HTML5 with JavaScript and CSS3
Microsoft

Microsoft Certification MB2-876:Extending Microsoft Dynamics CRM 2011
Microsoft

⊘ HOBBIES

Playing with my kids   Go to restaurants with my wife   Ride a bike   Read books

🧪 SKILLS

– PROFESSIONAL SKILLS

C# **FULL**	.Net MAUI **FULL**	Xamarin **FULL**	Flutter **PROFESSIONAL**
Backend **PROFESSIONAL**	Frontend **PROFESSIONAL**	Kotlin **PROFESSIONAL**	Python **LIMITED**
React Native **PROFESSIONAL**	Angular **PROFESSIONAL**	Azure **PROFESSIONAL**	SQL Technologies **PROFESSIONAL**
Javascript **FULL**	AWS **LIMITED**		

⭐ STRENGTHS

Curious   Adaptable   Open-minded   Enthusiastic   Persistent   Knowledgeable   Problem-solving

Stress management   Adaptability   Resilience