

Matheus Barros

✉ matheusbarros1305@gmail.com ☎ (786) 380-5423 🌐 in/matheusbarros

EXPERIENCE

CHA CONSULTING, INC
Software Engineer

Miami, FL
June 2022 - Present

- Delivered multiple full-stack projects, leveraging React with Django/PostgreSQL and C# .NET with Angular/MSSQL, while mentoring team members and enhancing development practices.
- Collaborated with Miami-Dade County IT to optimize platform and database access using Azure Cloud, contributing to a transportation management tool.
- Designed and managed Azure Cloud infrastructure, enhancing security, organizing resources by groups, and streamlining CI/CD pipelines for external teams.
- Automated reporting workflows, reducing client time by 95% and significantly increasing operational efficiency.
- Developed and automated ETL processes with Azure Data Factory, reducing costs by over 30% through efficient network data extraction.

ESGREEN
Software Engineer - Partner

Brazil
October 2022 - June 2024

- Led the full-stack development of a questionnaire application using C#/.NET, Entity Framework, Angular, and Bootstrap, ensuring seamless front-to-backend integration.
- Directed the full software development lifecycle, from requirements gathering to deployment, optimizing performance and scalability, which led to acquiring the company's first clients.
- Collaborated with non-technical teams to translate their requirements into actionable technical specifications, streamlining development and solution implementation.

PALM BEACH ACCOUNTABLE CARE ORGANIZATION
Software Developer

West Palm Beach, FL
July 2020 - July 2022

- Designed and developed an Android app using Java (legacy) and Kotlin (new code) with MVVM architecture and Jetpack Compose, reducing crash rates by 70%.
- Optimized stored procedures, improving feature efficiency by 95–97% and cutting execution time from 120 seconds to 4 seconds.
- Built high-performance APIs and interactive webpages using C# .NET, HTML, CSS, and JavaScript, achieving a 90% reduction in reported bugs through rigorous testing and debugging.

EDUCATION

Florida International University | Miami, FL
Master of Science in Computer Science | Graduated: 2020
Bachelor of Science in Computer Science | Graduated: 2018

SKILLS

Python, C#, JavaScript, SQL, Java, Kotlin, Django, .NET, React, Angular, Git, Docker, Kubernetes, Azure DevOps, Azure Data Factory, CI/CD, PostgreSQL, Power BI, Agile, Scrum

OTHER

Certifications: Microsoft Azure Cloud Fundamentals (2024), Google Agile Fundamentals (2024)
Publication: Data-Driven Decision Support Platform for Selection of Intersections for Adaptive Traffic Signal Control (2023)