

Brendon Carrasquillo

Location: Denver, CO Email: Brendon.carrasquillo@gmail.com
Seeking Remote Positions / Positions in the Denver Metro Phone: (770) 335-9529

SUMMARY

Senior Software Developer with 6+ years of experience leading the design and development of cutting-edge enterprise software solutions. Fullstack Engineer and Hands-on Leader focused on working with diverse, cross-functional teams to bring robust, customer-focused IoT solutions and cloud-native applications to life while increasing reliability, stability, and performance at scale.

SKILLS

- **Engineering:** Fullstack Development, Frontend & UI/UX, Backend & Infrastructure, Cloud Architecture, API Design, RESTful Web Services, Microservices, Testing & Code Coverage, CI/CD, DevOps, Software Quality, Scalability, Performance, Reliability, Automation, Code Reviews, Documentation
- **Leadership:** Strategic Planning & Execution, Project Management, Process Improvement, Cross-functional Collaboration, Stakeholder Engagement, Interdepartmental Alignment, Reporting, Agile, SCRUM
- **Technology:** C#, .NET Core, ASP.NET Core, Typescript, Javascript, Node.js, Angular17, Angular Material, Ionic Framework, Sync Fusion, HTML, CSS, Go, SQL, Microsoft SQL Server, Azure SQL Server, Azure Cosmos DB, Firebase Firestore, Entity Framework, NHibernate
- **Cloud:** Azure (Azure SQL Server, Stream Analytics, Service Fabric, IoT Hub, Azure Functions, Key Vault, Dev Ops, Azure Active Directory B2C), Firebase (Authentication, Hosting, Functions, Cloud Storage), Google Cloud Platform (Cloud Run, Cloud IAM, Big Query, Cloud Vision, Google Maps Platform, Cloud Key Management)

EDUCATION & CERTIFICATIONS

- Bachelor of Science in Philosophy - Magna Cum Laude with a Minor in Psychology, Georgia State University
- Fullstack Web Development Certificate, Digital Crafts

RELEVANT EXPERIENCE

Full Stack Developer, FEI Systems

Oct 2025 - Present

- Built custom MCP (Model Context Protocol) servers in .NET 8 for TFS/Azure DevOps work item retrieval and SQL Server database schema exploration, and integrated a Playwright MCP server for automated bug verification against local development instances, reducing context-switching overhead and accelerating defect resolution workflows across the team.
- Developed full-stack features for Carity, a cloud-based enterprise case management application, spanning Angular frontend components, .NET/NHibernate backend services, and SQL Server stored procedures and table-valued functions.

Software Developer, Veterans United Home Loans (Contract)

April 2025 - Oct 2025

- Identified and resolved a critical memory leak within the first month, eliminating 10MB memory increases on tab changes by eliminating improper subscription handling and animation queries that created hundreds of DetachedHTMLCollections.
- Developed numerous RESTful APIs to provide data integration for Angular frontend components, enhancing application functionality and user experience.

Software Developer, MTech Systems USA

July 2019 - March 2025

- Designed, developed, and deployed a full-stack project monitoring app that creates and automatically sends comparisons of bird weight/feed consumption projections and results to the C-suite, PMs, and Data Science teams using C#.
- Generated key data-driven insights on model accuracy for the IoT and Data Science teams that served as the backbone of the team's ability to identify and troubleshoot issues for the Sonar product in collaboration with a 4-person team.
- Developed and maintained an IoT mobile application that processes real-time data from temperature, humidity, weight, light, noise, and air sensors across 6K worldwide poultry farms using Ionic Framework, Angular, and .NET.
- Created a new customer support management system with Angular, C#, and Azure that streamlined ticket resolution workflows and enabled proactive sensor/network issue identification through alerts and real-time monitoring dashboards.

- Reduced screen loading times from 8 seconds to less than 2 by creating new endpoints and implementing updates to retrieve specific data, reduce the speed of calls, and enable concurrent data processing.
- Led the modernization of the authentication system and migration of all users from internally managed customer identities to management by Azure Active Directory B2C to strengthen overall application security while ensuring compliance globally.
- Built scalable RESTful APIs using ASP.NET Core and Entity Framework Core and implemented caching strategies and optimization techniques to maximize API performance.

SELECT PROJECTS

Wander Wallet Mobile Application

- Architected and developed the Wander Wallet mobile application with scalable cloud architecture using Firebase, Angular, and Ionic Framework to enable users to easily perform currency/unit conversions, store travel documents and relevant information, and provide real-time country- and city-specific insights.
- Architected and implemented an AI-powered travel assistant using Azure Semantic Kernel and OpenAI, featuring contextual chat completion, function calling for real-time weather data, and streaming responses integrated with Angular/Ionic frontend.
- Implemented integrations with OpenAI, Google Maps, and Google Vision APIs to provide users with packing, travel, restaurant, and lodging recommendations based on specific locations.