

# Andres Correa

AI-Driven Full Stack Developer | Remote - Ready | NET 8, React, and DevOps

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Portfolio: <https://andres-j-correa.github.io/DevPortfolio/>

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## Summary

Remote-ready Full Stack Developer (**2+ years experience**) specializing in AI integration and scalable web architectures using **React**, **.NET 8**, and **TypeScript**. Proven track record in architecting multi-tenant ERP solutions and deploying AI platforms (**OpenAI**), reducing manual workload by **30%**. Deep expertise in Cloud/DevOps (**Github Actions**, **Docker**, **CI/CD**) and implementing robust, role-based security.

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## Experience

### Freelance Software Developer

- **Cabaña Gaia Rodadero (TourGo)** **Feb, 2025 - Present**
  - **Architected** and **deployed** a scalable, multi-tenant ERP system (.NET 8/React), streamlining operations for bookings, CRM, and financial tracking.
  - **Engineered** a high-performance financial reporting module utilizing optimized MySQL stored procedures to calculate real-time metrics (RevPAR, P&L), significantly reducing complex aggregation time.
  - **Implemented** secure Role-Based Access Control (**RBAC**) using **JWT** and **BCrypt**, ensuring data privacy across diverse staff roles.
  - **Built** a responsive, multi-lingual (**i18n**) frontend with React/TypeScript, implementing Recharts for interactive KPI visualization.
  - **Integrated AWS S3** for scalable media storage and leveraged **Google reCAPTCHA v3** to enhance system security and rate limiting.
- **Personal Project (ForexFinder)** **Sep, 2025 - Nov, 2025**
  - **Engineered** a high-performance geospatial search engine leveraging **PostGIS**, achieving **sub-second latency** for location-based currency exchange discovery.
  - **Implemented** a secure "Location Token" system to prevent fraud, using signed **JWTs** and **Argon2 hashing** to cryptographically verify physical location.
  - **Developed** a high-fidelity mobile UI (React Native/Expo) featuring smooth gestures, bottom-sheet navigation, and **Reanimated** for premium user experience.

### Full Stack Software Developer

- **Sabio Enterprises Inc.** **Mar, 2023 - May, 2025**
  - **Contributed** to the development of an AI-based technical interview platform (OpenAI's Whisper/GPT-4 integration), reducing manual recruiter workload by **30%** via real-time feedback generation.
  - **Engineered** prompt optimization strategies for GPT model training, achieving **90%+ task-specific accuracy** for technical assessments.

- **Optimized** core SQL database structure through indexing and query refinement, resulting in a **15% improvement** in critical data retrieval times.
- **Developed** and maintained resilient **RESTful APIs** using **.NET Core** and **SOLID principles**, leading to a **20% reduction in bug incidents**.

## Founder & Hospitality Operations Manager

- **Cabaña Gaia Rodadero** **Oct, 2021 - Present**
  - **Launched** a hospitality business from the ground up, establishing operations, systems, and processes to support long-term sustainability.
  - **Developed** a comprehensive booking and financial management system using Google Sheets and custom JavaScript automations, reducing manual workload and **improving operational efficiency by 35–40%**.

## Collections Analyst

- **Holcim ABS** **Dec, 2019 - Dec, 2021**
  - **Developed** an analytical reporting tool utilizing VBA macros and Excel, **boosting outstanding balance collections by 30%**.

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## Skills

- **DevOps & Cloud:** Docker, AWS S3, Azure Cloud Services, CI/CD, GitHub Actions, Nginx, VPS Management, SSH.
- **Backend & Core Languages:** C#, .NET Core (ASP.NET 8), Node.js, NestJS, ExpressJS, TypeScript, SQL, JWT, OAuth 2, REST APIs.
- **Frontend & Mobile:** ReactJS, React Native, Next.js, Redux, Expo, Responsive Design.
- **Databases & Data Stores:** PostgreSQL, MySQL, MariaDb, PostGIS, Optimized Stored Procedures.
- **Testing & Tools:** Git, GitHub, Jest, xUnit, VS Code, Visual Studio, Postman, Agile Methodologies, TDD, Agentic Development, Prompt Engineering.

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## Education:

- **Full Stack Software Engineer** **Dec, 2022 - Mar, 2023**
  - *Sabio School of Software Engineering - Remote.*
- **Bachelor of Mathematics** **2013 - 2016**
  - *Francisco De Paula Santander University, Cúcuta, Colombia.*

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## Certifications:

- [Full Stack Software Engineer Certificate](#)

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## Languages:

English (Proficient - C1), Spanish (Native)