Juan David Rios Rodriguez

Full-Stack Engineer | Angular · .NET Core · C# · TypeScript | Clean Architecture · DDD · CQRS | AI-Assisted Development

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PROFESSIONAL SUMMARY

Full-Stack Engineer with 5+ years building web applications, specialized in Angular 20 / TypeScript and .NET Core / C# with Clean Architecture, Domain-Driven Design (DDD) and CQRS. Architected and shipped Logit, a foreign trade platform built from scratch that is now in production with real clients, and built .NET Core microservices for authentication, roles & permissions and business CRUDs. Experienced with design systems, i18n, audit and permission services, WCAG accessibility and AI-assisted delivery (Claude Skills, agents, MCP servers) without compromising architecture or code quality. Mentors junior developers and works directly with clients to turn business needs into technical scope. Open to remote full-stack roles with US and LATAM teams.

TECHNICAL SKILLS

Frontend: Angular 20, TypeScript, JavaScript (ES6+), RxJS, NgRx, Signals, React, HTML5, CSS3/SCSS

Backend & Architecture: .NET Core, C#, ASP.NET Core Web API, Clean Architecture, Domain-Driven Design (DDD), CQRS, MediatR, Entity Framework Core, Microservices, REST APIs, Authentication (access/refresh tokens)

Frontend Patterns: Facades, DI Tokens, Standalone Components, Interceptors, Resolvers, Route Guards, Reactive Forms, Lazy Loading

Data, DevOps & Testing: PostgreSQL, Docker, Azure DevOps, CI/CD, Git-flow, Git, Bitbucket, Unit Testing (Jasmine/Karma), E2E Testing

UI & Design Systems: Design Tokens, npm Libraries, PrimeNG, Bootstrap, i18n, WCAG 2.1 Accessibility, Responsive Design

AI-Assisted Development: Claude Skills, AI Agents, MCP Servers, AI prototyping & design-to-code handoff

Practices: Scrum, Jira, Code Reviews, Mentoring, Requirements Gathering, Client Communication

PROFESSIONAL EXPERIENCE

Full-Stack Engineer (Angular & .NET) — Magnum Logistics S.A.S.

Medellín, Colombia (Hybrid) | Feb 2025 – Aug 2026

Logit — foreign trade (import/export) platform for logistics clients · Angular 20 · .NET Core · Microservices

- Architected and shipped the frontend from scratch — imports, exports, purchase orders, product catalog and client management — now in production and used daily by real clients; the UX/UI overhaul became a sales differentiator that helped win new accounts.
- Built .NET Core microservices (authentication, roles & permissions, CRUD with business validation) on Clean Architecture, DDD and CQRS (MediatR), using Entity Framework Core and unit tests.
- Co-designed an Angular design system published as an npm library (design tokens, SCSS mixins, reusable components on PrimeNG/Bootstrap), reused across the platform's modules to keep the UI consistent and speed up new screens.
- Delivered enterprise features: full i18n across forms and screens, audit logging, error traceability and granular role/permission control.
- Applied advanced Angular patterns: Facades, DI tokens, Signals, resolvers, HTTP interceptors with access/refresh-token auth, reactive forms and catalog preloading.
- Set up an AI-assisted workflow with Claude Skills, agents and MCP servers — UI prototyping → handoff → implementation with custom Skills, including automated file generation and parsing — reducing repetitive work and shortening feature delivery cycles.
- Mentored junior developers through onboarding, code reviews and training in architecture and AI tooling, and joined client meetings to turn business needs into technical scope.
- Managed dev/QA/prod deployments with Git-flow, pull requests and cloud validation pipelines.

Front-End Developer — Universidad de Antioquia

Medellín, Colombia (Remote) | Feb 2023 – Dec 2024

Accessibility-first (WCAG) characterization platform for people with disabilities · TypeScript · REST APIs · .NET Microservices

- Built configurable modules with complex conditional logic: adaptive surveys, dynamic question types, conditional rendering and branching flows based on previous answers.
- Designed a dynamic form engine that renders questions from configuration (text, single/multiple choice, scales, conditional sections), with client-side validation and reusable form components.
- Implemented role-based interfaces and route guards so administrators, surveyors and respondents only access the modules and actions allowed for their role.

- Applied WCAG 2.1 practices: semantic HTML, ARIA attributes, full keyboard navigation, focus management, screen-reader support and accessible color contrast.
- Integrated REST APIs across survey, user and role-management modules, handling loading states, errors and data mapping between backend models and UI.
- Built responsive layouts with reusable SCSS and shared UI components, partnering with UX/UI designers and stakeholders to refine flows and validate interfaces with users with diverse disabilities.
- Wrote unit and E2E tests for UI and API-connected workflows, working alongside .NET microservices, Git pull requests and CI/CD pipelines in Azure DevOps.

Full-Stack Developer — Adage

Medellín, Colombia (Remote) | Aug 2020 – Jul 2022

TurboCycle — web platform built for a client in an agile team · Angular · TypeScript · .NET · Microservices · Azure

- Developed Angular components, services and modules for user-facing workflows, using TypeScript, RxJS and reactive forms with validation.
- Integrated the frontend with .NET backend services through REST APIs, using Angular HttpClient, interceptors and centralized error handling.
- Supported .NET backend development within a microservices architecture: API endpoints, data access with Entity Framework (ORM) and business logic.
- Wrote unit tests (Jasmine/Karma) and E2E tests for key workflows, improving release reliability and reducing regressions.
- Collaborated through Git and Bitbucket with feature branches, pull requests and peer code reviews; delivered features through Azure CI/CD pipelines.
- Took part in Scrum ceremonies (sprint planning, dailies, reviews and retrospectives) and tracked work in Jira.

Freelance Web Developer — Diseñamos Web

Medellín, Colombia (Freelance) | Jan 2017 – Jun 2018

- Designed and built websites for e-commerce, real estate and small business clients using WordPress and custom plugins.
- Applied SEO best practices and optimized performance and security for faster load times.
- Managed client relationships end to end, from requirements to delivery.

PROJECTS

FieldOps — Independent full-stack project

Live demo: fieldops-co.vercel.app | Code: github.com/juandavid3196/fieldops

- Field service platform connecting service requests, scheduling and daily operations, built end to end with an Angular frontend, a .NET backend, a PostgreSQL database and a Docker-based setup.

Pablo Tobón Uribe Theater: Event Management System — Capstone · Universidad de Antioquia

React · Redux · Tailwind · Python · Node.js · Docker

- Delivered a full-stack event management system end to end for the theater.
- Led the capstone team from requirements gathering through deployment, implementing frontend and backend features and coordinating technical decisions.

EDUCATION

B.Sc. Systems Engineering

Universidad de Antioquia — Medellín | 2017 – 2024

Continuous learning — Platzi | Udemy, 2017 – Present: advanced Angular, .NET Core & Domain-Driven Design, software architecture, AI tooling.

Languages: English – B2/C1 (professional working proficiency), Spanish – Native.
Open to: Remote roles with US and LATAM teams, hybrid in Medellín, relocation.