

Miguel Fabián Ferrucho

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Software Engineer | Full Stack | AI-Focused Development

Experienced Software Engineer with 12+ years of success in designing, building, and scaling robust software solutions across the automotive, energy, and public sectors. Proven ability to bridge business needs with technical execution using modern full-stack technologies. Passionate about leveraging artificial intelligence and data science to drive automation, insights, and intelligent systems.

I am currently pursuing a remote master's degree in data science, expanding my skills in machine learning, analytics, and predictive modeling to complement my hands-on engineering experience.

Technical Skills

Category	Skills
Languages	C#, C++, Java, JavaScript, TypeScript, HTML, CSS, JSON, Matlab
Web & UI	Angular, AngularJS, jQuery, Bootstrap
Frameworks / APIs	.NET, RESTful APIs, SOAP
Databases	SQL Server, Oracle, MySQL
Cloud Platforms	Google Cloud Platform (GCP), Azure, Supabase
AI/Low-Code Platforms	Lovable.dev
Dev Tools / IDEs	Visual Studio, Eclipse, Git, Bizagi Studio BPM
Methodologies	Scrum, PMP, eTOM, ITIL, BPMN
Project Tools	Microsoft Project, Zoho Projects, Project Locker
AI/Data Science	Python, Machine Learning, Data Wrangling (in progress - MS Data Science)

Experience

Affinitiv – Remote (USA) | Full Stack Software Engineer | 2021 – 2024

- Built and maintained scalable web applications in the automotive sector
- Delivered seamless front-end/back-end integrations using Angular, C#, and SQL Server

- Collaborated in Agile environments, adhering to best coding practices and regular peer code reviews
- Led performance optimization efforts and contributed to high-availability architecture
- Tech: .NET, C#, Angular, AngularJS, TypeScript, SQL Server

McFatter Technical College - Davie, FL | Student – Intensive Academic English Program | 2018 – 2020

- Completed full-time English coursework with a focus on business vocabulary and fluency.
- 30 hours/week academic training in U.S.-based English program

Ayesa Advanced Technologies SAS – Bogotá, Colombia | Software Consultant & Developer | 2016 – 2018

- Streamlined onboarding system for energy-sector clients, cutting request cycle times by 40%
- Led redesign of the energy feasibility platform, achieving 50% faster responses and 70% error reduction
- Oversaw support team operations for critical energy systems
- Managed estimates for project timelines, resources, and effort, ensuring the successful delivery of software projects for major energy clients
- Tech: .NET, Bizagi Studio BPM, Oracle, SQL Server

Infotrack – Bogotá, Colombia | Software Developer | 2014 – 2015

- Developed web/mobile workflow tools for national equipment tracking via handheld devices
- Integrated mobile solutions for field operations using Windows-based PDAs
- Tech: .NET, SQL Server

Administrative Department of Security (DAS) – Bogotá, Colombia | Software Engineer | 2012 – 2014

- Oversaw lifecycle of key internal software systems during institutional transition
- Supported mission-critical app maintenance, upgrades, and change requests
- Tech: .NET, SQL Server, Oracle

Tecnoparque – National Training Service (SENA), Bogotá, Colombia | Technology Consultant | 2010 – 2011

- Mentored startups in innovation, software development, mobile, AI, and interactive TV
- Facilitated early-stage product development and funding strategies
- Tech: .NET, Java, SQL Server, Oracle

Education

Western Governors University (Remote)
Master of Science in Data Science - *In Progress*

National University of Colombia - Bogotá, Colombia
Bachelor of Science in Systems Engineering
Master's Coursework in Telecommunications Engineering

Certifications

Certified Associate in Project Management (CAPM)
Certified Scrum Master
SEI-Certified PSP Developer

Additional Skills

Bilingual: Native Spanish and English proficient