Gian Piero Bandieramonte Senior Software Engineer | Full-Stack & AI-Powered Products

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CONTACT

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PROFILE

15+ years building, modernizing, and owning complex software products end to end. Strong in React, TypeScript, JavaScript, C#/.NET, Python, APIs, and data. Now building LLM-powered products with agentic AI coding and rigorous code review.

PROFESSIONAL EXPERIENCE

Toptal (freelance talent network), Remote

Senior Software Engineer **Jul. 2022 - Present** (4+ years)

- Improved UI performance by 52%+ by migrating major legacy Knockout and JavaScript functionality to React and refactoring C#/.NET code.
- Owned a full revamp of client Life-Assist's homepage and product pages.
- Built a React/Node.js interface for real-time WebSocket trading data.

Tech: React, TypeScript, Node.js, C#/.NET, REST, WebSockets

Career Break, New Zealand

Travel & Cultural Exploration **Feb. 2020 - Dec. 2021**

- An intended short trip became a long stay during COVID border closures.

November First, Copenhagen, Denmark

Senior Software Engineer **Mar. 2017 - Oct. 2019** (2+ years)

- Increased sales by roughly 15% through customer-requested FX functionality, upgraded core payment logic and real-time bank quote integration.
- Delivered a time-critical FIX upgrade required by the banking partner, supported by unit, integration, and end-to-end testing.

Tech: C#/.NET, Angular, MongoDB, SQL Server, FIX

Brainlab AG, Munich, Germany

Software Engineer / Consultant **Jan. 2013 - Jun. 2016** (3+ years)

- Improved ExacTrac® image-registration precision by 8%.
- Rewrote C++ robot-controller software, improving breathing-pattern reproduction precision by 51%.

Tech: C++, C#, WPF, ASP.NET

Arca Análisis Económico, Caracas, Venezuela

Chief Analyst & Cofounder **Oct. 2010 - Sep. 2012** (2 years)

- Developed the company's analytical framework for more than $7 MM in fixed-income portfolios and quantitative tools using Excel VBA and Bloomberg data.

Tech: Excel VBA, Bloomberg API

Econoinvest Casa de Bolsa, C.A., Caracas, Venezuela

Software Engineer **Apr. 2007 - Oct. 2010** (3+ years)

- Built a web application for setting up trusts online, increasing client-acquisition ability by 70%.
- Developed the MVP of a web platform for electronic securities trading.
- Built portfolio-analysis and asset-allocation models for a team responsible for more than $200 MM in AUM.

Tech: ASP.NET, C#, JavaScript, SQL Server, MATLAB, VBA

Projects

Autónomo al día, AI Tax App github.com/bandieramonte/autonomo-al-dia

- Pre-launch: AI reads and assesses tax files with a novel multi-model setup.
- A deterministic engine fills the returns; job retries, AI cost caps, audit trail.
- Built with AI coding agents, reviewing all AI-written code; 2,200+ tests.

Tech: TypeScript, Next.js, C#/.NET, PostgreSQL, LLM APIs, Agentic Coding

108 Again, Android App github.com/bandieramonte/108-Again

- Built with AI-assisted coding: offline-first, optional cloud sync, 200+ installs.

Tech: TypeScript, React Native, Expo, SQLite, Supabase, AI-Assisted Coding

Technical Skills

Frontend / Mobile: React, Next.js, React Native, TypeScript, JavaScript, CSS
Backend / APIs: C#/.NET, ASP.NET Core, Node.js, Python, REST APIs, OpenAPI
Data: PostgreSQL, SQL Server, MySQL, MongoDB, SQLite, Entity Framework
AI: LLM APIs, Structured Outputs, AI Workflows, AI Evaluation, Agentic Coding
Engineering: Full-Stack Architecture, Automated Testing, Docker, Git

Education

IESA, Venezuela, MSc Finance, first-class honors **2008 - 2010**
Universidad Simón Bolívar, Venezuela, BSc Computer Science **2001 - 2007**

Certifications

Chartered Financial Analyst (CFA) charterholder **2013**

Languages

Spanish: Native **English**: Full professional
German: Professional working (Telc B2) **Danish**: Limited working (PD3)