

WILLEM-JAN STIENSTRA

Full Stack Developer | Pragmatic Builder | Python & React

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PROFILE

Self-taught developer with a Master's in Business Administration and a decade of experience in construction management. I like building things – whether it's reinforced concrete or clean code. Pragmatic, curious, and driven to turn innovative concepts into reality.

EXPERIENCE & PROJECTS

AI Stock News Feed (CS50 Final Project) | 2025

>Built a personalized financial dashboard aggregating real-time news via APIs and summarizing content using Gemini LLM.

Tech: Python | Flask | SQL | Bootstrap | Jinja

Bitcoin Strategic Analyzer (CS50p Final Project) | 2024

>Developed a data engineering tool calculating strategic buy scores based on market metrics.

Tech: Python | Pandas | BeautifulSoup (scraping) | Pytest

Construction Supervisor | Project Lead

Self-employed | 2014-Present

>Managed large-scale infrastructure projects, supervising teams of up to 15 people.

>Responsible for operational planning, quality and deadline control, and stakeholder management.

>Optimized project workflows and logistics, demonstrating the same structural thinking required in software architecture.

EDUCATION & COURSES

MSc. Business Administration: Entrepreneurship

VU University, Amsterdam | 2011-2014

Computer Science & Python (CS50x & CS50p)

Harvard University (edX) | 2024-2025

Coursework covering C, Python, SQL, Algorithms and Data Structures.

Front End Development & Data Structures

FreeCodeCamp | 2018 - 2019

Completed four certification tracks covering JavaScript Algorithms, Responsive Web Design, Front End Libraries (React/Redux), and Data Visualization (D3.js). Built 20+ projects.

STRENGTHS

Project Management: Decade of experience leading teams, managing stakeholders, and delivering complex projects on deadline.

Analytical thinking: Strong ability to dissect complex problems and translate them into efficient code.

Adaptability: Fast learner who thrives in changing environments and new domains.

Conceptual Thinking: Visualizing the bigger picture and designing inventive solutions.

SKILLS

Languages: JavaScript (ES6+) | Python | SQL | HTML5 | CSS3

Frameworks and Libraries: React | Flask | Bootstrap | Tailwind

Tools & Platforms: Git/GitHub | VS Code | Figma | Gemini LLM

INTERESTS

📊 Investing / Finance

🚴 Bikepacking

🎵 Playing and writing music

♟ Chess

LANGUAGES

Dutch: Native

English: Fluent