

Alessandro Incantalupo

Frontend AI Engineer · TypeScript & Angular Specialist

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Professional Summary

Frontend AI Engineer and **TypeScript & Angular specialist**. I build the **agent layer of the SDLC: skills, playbooks and MCP servers** for **GitHub Copilot and Claude Code**, deployed in daily use at **Wolters Kluwer** and well received by the team, on top of production frontends for **Fintech, Healthcare and E-commerce**.

Results come from **AI-assisted delivery**: documentation from **hours to minutes**, **E2E testing time cut by 75%**, state features shipped **60% faster**, **90% fewer** redundant change-detection cycles. In my evals a small model with a skill I wrote went from **8/21 to 18/21**, matching the strong model alone at **about 1/18 of the cost**.

Pragmatic about AI: **context engineering** over prompt tricks, **evals before opinions**, and tools that stay **read-only and logged** until they have earned trust. Underneath, **TypeScript** and **Angular 17-22** in depth. My rule is **'maximizing the job not done'**: solve the real problem without generating technical debt.

Most Recent Professional Experience

Wolters Kluwer
Angular Front-end Developer 04/2026 - Present

- Built and rolled out **agent skills, playbooks and MCP servers** for the team's daily workflow in **GitHub Copilot and Claude Code**, **well received by developers and leads**
- **Documentation from hours to minutes** with a skill that writes technical docs from the code: **the docs owner rated it better than the hand-written docs**, and it **flagged stale docs to fix**. A **weekly review** finds what was touched, changed or added and **updates the docs automatically**
- **Built an AI skill for DAX**, a query language outside the team's main stack, as a **reverse pattern from the company's .NET code**, so anyone on the team can pick it up. It also took me into a stack outside my own
- Used my **Angular knowledge-base skill** to validate a design the **architect chose over the original plan**, avoiding a **new micro-frontend** and its long-term maintenance cost
- **Automated remote micro-frontend overrides**: an MCP server, later turned into a **playbook**, that opens the right develop URL in the IDE browser and injects the override snippets, replacing manual browser scripts and an override extension
- Designed **custom evals** for skills and agent workflows on real tasks: on the DAX skill, **Haiku 5.5 scored 18/21 against Opus 5.5's 21/21**, 86% of the top score at **1/40 of the price per token**
- **Trusted as the responsible owner of a major feature within 4 months of joining**: a **Highcharts Tree Graph** that decomposes complex datasets into actionable hierarchies, from greenfield to production at a high standard, presenting progress and trade-offs to **management and key stakeholders**
- **Cut Cypress E2E testing time by 75%** with AI-assisted work on the suite, unblocking the team from slow test loops

Exprivia
Angular Front-end Developer 11/2025 - 04/2026

- Migrated key applications to **Angular Signals with Zoneless configuration** through **AI-assisted refactoring**, eliminating **90% of redundant change detection cycles** and delivering **measurably smoother UIs** on data-intensive views
- Architected and enforced **performant application patterns** that ensured **stable performance** under extended user sessions, **eliminating systemic CPU degradation** before it could reach production
- **Optimized rendering performance** by migrating components to the OnPush change detection strategy, noticeably **improving UI responsiveness** for data-heavy views
- Drove team-wide adoption of **best architectural practices** and mentored junior developers through pair programming, **compressing feature delivery cycles** and **raising the team's baseline proficiency**

Accenture
Angular Front-end Developer 09/2023 - 11/2025

- **Worked on 4+ live Angular 17-20 applications in both Healthcare and Fintech**, with **AI-assisted development** in the daily workflow
- Implemented **NgRx Signal Store** for **centralized state management**, delivering state-related features **60% faster** with an AI-assisted workflow
- Established a **Figma-to-code workflow** with **TailwindCSS design tokens** and **PrimeNG**, reaching a **95% first-delivery acceptance rate** and **WCAG 2.1** compliance
- Deployed **Azure DevOps CI/CD** enabling **daily production releases** with **full rollback capabilities** and **zero service interruption**
- Drove API-first collaboration with **backend** developers through shared **REST API** contracts, **cutting integration rework** and **enabling parallel frontend-backend development**

ELAB (A.S. Watson Group)
Angular Front-end Developer 09/2022 - 08/2023

- **Worked on 3+ live e-commerce storefronts** for international retail brands (**Marionnaud, ICI Paris, Kruidvat**), delivering checkout, cart and authentication for **millions of shoppers**
- Achieved **zero critical production incidents** in checkout and cart flows by aligning frontend form models with backend API contracts upfront
- **Reduced post-release UI defect tickets to near zero**, achieving **first-delivery acceptance** across **12+ consecutive sprint cycles**

Skills In Detail

AI Engineering
Agent skills & playbooks, MCP servers (TypeScript SDK), Context engineering, Evals & agent benchmarking, Spec-driven development (OpenSpec), Plugin distribution, Claude Code, GitHub Copilot, Cursor

Core Technologies
Angular, TypeScript, JavaScript, HTML5, CSS3, REST APIs, Astro, SvelteKit

State Management & Architecture
Angular Signals, NgRx Signal Store, RxJS, Micro Frontends, Service-Oriented Architecture

UI/UX & Styling
TailwindCSS, PrimeNG, Angular Material, Bootstrap, Chart.js, ApexCharts, Highcharts, Responsive Design, Figma workflows, WCAG 2.1

DevOps & Development Tools
Git workflows, CI/CD, Azure DevOps, GitHub Actions, Docker, Nx Monorepo, Conventional Commits

Testing & Quality Assurance
Vitest, Jest, Cypress, Unit Testing, Integration Testing, Bug Fixing, Debugging, Performance Optimization

Methodologies & Collaboration
Agile/Scrum, Cross-functional collaboration, Code reviews, Jira

Databases
PostgreSQL, Microsoft Dataverse, Astro DB

Projects

Agent Tooling for Angular Teams 09/2026 - Present

- Distilled **5 Angular books (54 chapters)** into an **agent knowledge base** of **17 task-named skills and 240 notes**, loaded in layers (router, skill, note, source) by **Copilot, Claude Code and Cursor**; every claim carries a **verbatim quote checked by script**
- Built read-only **MCP servers** for **Jira Data Center, Jenkins and GitLab** on the official TypeScript SDK, from a shared template that **logs every tool call**
- Packaged skills and MCP servers as **versioned plugins** for GitHub Copilot and Claude Code, with **spec-driven multi-agent workflows** (roles, handoffs, quality gates)
- Designed a **benchmark harness for coding agents** (task × setup × agent × grader) to measure what spec-driven development, repo maps and MCP actually save

Angular Portfolio 01/2025 - Present

- Built a **modern admin UI** using **Angular 21 standalone components** and **SignalStore** for performant, reactive state management, deployed **live in production** with **full frontend-backend integration**
- Designed a **scalable Nx monorepo architecture** with domain-driven libraries, shared UI components, and feature isolation to support modular development across **multiple environments**
- Applied **TailwindCSS** and **PrimeNG** to build a consistent design system with responsive layouts optimized for mobile and desktop, ensuring **cross-platform compatibility** in the live application
- Set up a **CI/CD pipeline** using **GitHub Actions** and **Vercel**, automating Docker image builds and pushes to **DigitalOcean** for the backend with zero-touch production updates on every merge to main
- Standardized code quality across the monorepo with **ESLint**, **Prettier**, and **conventional commit** practices, enforcing a consistent Git workflow and maintainable codebase structure

Angular Portfolio

Portfolio Website 01/2024 - Present

- Built **with agents on my own stack knowledge base** (**17 skills, 167 notes**, synced weekly from every project into shared templates and packages)
- **100/100 Lighthouse scores** in all four categories on phone and desktop, static pages with **1 KB of JavaScript**
- One typed source generates the site in **English and Italian**, this CV in every variant, the GitHub profile and the LinkedIn text
- **AI-first discoverability**: a structured **/llms.txt**, JSON-LD and hreflang, read by AI agents and LLMs

Live Site

Education

Università degli Studi di Pavia Bachelor's Degree • 93.9/110 (Projected)
Mathematics

ITIS G. Cardano, Pavia High School Diploma • 84/100
Chemical Expert

Certifications

Claude Code in Action 2026
Anthropic

Claude Code Subagents 2026
Anthropic

Claude Code: Introduction to Agent Skills 2026
Anthropic

Claude: AI Capabilities and Limitations 2026
Anthropic

Claude Code Introductory Course 2026
Anthropic

Claude Introductory Course 2026
Anthropic

Hobbies

Obsessed with weighted Pull-Ups to impress uninterested people and getting **destroyed in competitive Rocket League** (the grind never stops).

Every summer I fly to my **Swedish bros for Midsommar**. Best tradition ever.

Huge nerd for anything **Halo or Mass Effect** related, and yes, I've watched the **LOTR extended editions** more times than I care to admit.

Always listening to **audiobooks**, love being able to multitask and learn while doing other stuff.