

Jeff Vandervelde

Systems Design / Workflow Engineering / Automation / Agentic AI

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UNDERSTAND → DESIGN → AUTOMATE → VERIFY → IMPROVE

PROFILE

Turning complex problems into detailed, logical, structured systems.

Systems-focused software professional experienced in designing and building products, workflows, automation, and AI-assisted engineering systems. My strongest skill is taking complex problems and turning them into detailed, logical, structured systems. I focus on understanding how everything fits together, designing strong foundations, choosing appropriate tools, and creating processes that are clear, testable, maintainable, and easy to improve over time.

EXPERIENCE

Independent Software Engineer

Genezisi / Independent Products · 2026-Present

- Build and operate products including **Fornward**, **TK Counsel**, **Genezisi**, and other web and software projects.
- Design development systems and workflows covering investigation, planning, implementation, independent review, QA, deployment verification, and ongoing maintenance.
- Built an AI-assisted engineering environment with specialized roles for investigation, development, review, monitoring, and recurring operational work, supported by reusable procedures and automated quality checks.
- Create automation, monitoring, documentation, and knowledge systems designed to reduce repeated manual work and make projects easier to maintain and extend.

Software Engineer / AI Systems

Elements of a Soul · 2026

Worked across multiple production products involving frontend and backend systems, databases, automation, internal tooling, gaming systems, and operational workflows.

- Designed and built a **daily reward system end-to-end**, covering frontend, backend, data, testing, validation, and release.
- Designed and built an **achievement system** in a separate product, taking it from initial system design through implementation, testing, review, and release readiness.
- Used database tooling and Python scripts for data validation, repair, backfills, and operational work.
- Designed AI-assisted workflows for investigation, implementation, security review, QA, monitoring, and recurring engineering operations.
- Built processes around testing, deployment verification, documentation, and production investigation so releases could be validated systematically rather than relying on assumption.

EXPERIENCE WITH

TECHNOLOGIES & PLATFORMS	TypeScript · JavaScript · React · Next.js · Node.js · Express · MongoDB · Python · REST APIs · PlayCanvas · Three.js
SYSTEMS & OPERATIONS	Git · GitHub · CI/CD · Automated Testing · Deployment Verification · Monitoring · Production Investigation · Root-Cause Analysis · Linux · Vercel · Cloudflare · Supabase
AI & AUTOMATION	Agentic Development · Multi-Agent Workflows · MCP · AI-Assisted Investigation & Review · Local LLM Operations · Workflow Automation

LANGUAGES

Dutch	Native
English	Fluent - professional written and spoken communication

ADDITIONAL

Security Research: Valid smart-contract security findings through Sherlock, including a High-severity finding supported by an on-chain proof of concept.