

Robert Smith

AI-Assisted Builder • Workflow Automation • Web & Application Development

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PROFESSIONAL SUMMARY

Builder who designs, ships and runs real software by directing AI coding agents (Claude Code, ChatGPT). Built and operates an AI operations system that keeps memory, rules and checks across three computers and a live production server. Delivered web platforms with payments, databases and logins, a custom C++ game engine and an Android game. Business owner since 2022, with years of accurate documentation from healthcare roles. Works independently and documents everything.

SKILLS

- **AI and automation:** Claude Code, ChatGPT, Midjourney, prompt and instruction design, AI agent workflows, automated session hooks, scripted health checks, AI-assisted debugging, documentation-driven processes.
- **Development:** Next.js, React, TypeScript, Prisma, PostgreSQL, Stripe payments, authentication, REST APIs and JSON, C++ (CMake), Python and PowerShell scripting, Git and GitHub, automated testing.
- **Infrastructure:** Linux VPS, nginx, PM2 process management, SSL certificates, DNS, zero-downtime deploys with health checks.
- **Design and media:** Canva, graphic design, logo and brand design, UI layout, Blender 3D renders, photography, product mockups.
- **Business operations:** Project planning, pricing, quality control, customer communication, e-commerce, inventory.

SELECTED AI-BUILT PROJECTS

Morpheus — AI Operations System | Claude Code, Git, Python, PowerShell | July 2026–Present

- Designed and run a personal AI operations assistant with persistent, version-controlled memory: a 320+ note knowledge base, 500+ commits, synced across three computers.
- Wrote its operating rules: verify before claiming, confirm before code changes, log every checkpoint, never store secrets in notes.
- Built automated startup checks that report each machine's repositories and the live server: 9 running apps, nginx config and 13 SSL certificates.
- Added session hooks that capture each work session for later review, so context survives restarts and moves between machines.

HometownEvents — Live Event Platform | Next.js, TypeScript, Prisma, PostgreSQL, Stripe | hometownevents.org

- Directed the build of a live platform for event organizers, vendors and attendees, with an 85-table database, logins and payments.
- Shipped a seasonal badge system and an events calendar; deployed with zero-downtime reloads and automatic health checks.
- Researched and seeded verified local events, checking every date against its 2026 source.

FabriDock — 3D-Printing Business App | Next.js, Prisma, PostgreSQL, Stripe

- Built a commercial web app for 3D-printing sellers: true-cost calculator, filament inventory, printer tracking, orders and profit analytics.
- Integrated Stripe one-time payments; 58 commits in its first week of development.

Copperworks Engine and Thornweld Game | C++, SDL3, Direct3D 12, Android, Blender

- Built a custom 2D game engine with a GPU renderer; its benchmark keeps 1 million conveyor items on screen at about 1,450 FPS.
- Built Thornweld, a mobile settlement-survival game on the engine: Android builds, data-driven content in JSON, autosave with backups, 149 automated tests.
- Produced the game's art through a scripted Blender pipeline: models rendered to sprite sheets, packed into texture atlases.

Production Server and Business Websites | Linux, nginx, PM2, Let's Encrypt

- Run the server behind Copper City Designs, HometownEvents and Smile Away Photo Booth, plus staging and demo sites.

EXPERIENCE

Owner — Copper City Designs LLC | Rome, NY | October 2022–Present

- Run a custom design and manufacturing business: laser engraving, CNC machining, UV printing and multicolor 3D printing.
- Built the business's websites, customer portal, product configurators and internal tools with AI coding agents, and host them on a self-managed server.
- Manage every job from customer request through design, pricing, prototyping, production, quality checks and fulfillment.
- Prepare production-ready files and CNC toolpaths in VCarve Pro; test materials and machine settings to fix production problems.

Direct Support Assistant — New York State OPWDD | Rome, NY | June 2019–Present

- Follow individualized care plans and keep accurate, confidential service documentation; report changes in well-being promptly and precisely.

Secure Hospital Treatment Aide — Central New York Psychiatric Center | Marcy, NY | December 2024–August 2025

- Provided one-to-one patient supervision under strict safety and confidentiality procedures.

Photographer — Robert Smith Photography | Rome, NY | July 2017–March 2025

- Planned and delivered portrait, landscape and assignment photography for clients as a self-employed photographer.

Nursing Assistant — NYS Department of Corrections and Community Supervision | Rome, NY | July 2016–June 2019

- Monitored vital signs, documented care and followed infection-control and confidentiality requirements.

EDUCATION

- **Bachelor of Science, Communication and Media Studies** — SUNY Polytechnic Institute, in progress (expected May 2028)
- **Associate Degree, Graphic Design** — Full Sail University, February 2020