

JUSTIN JOHNSON

CREATIVE TECHNOLOGIST / AI PRODUCT BUILDER / AUTOMATION SYSTEMS

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PROFILE

Creative technologist and product builder who turns ambiguous operational problems into tested desktop, web, and AI-assisted systems. Combines product judgment, visual-production expertise, Python engineering, API integration, and hands-on operation of a real ecommerce business.

CORE CAPABILITIES

- Zero-to-one product prototyping
- Python desktop applications
- AI and LLM product integration
- Structured outputs and tool calling
- Human review and approval workflows
- Image automation and computer vision
- Commerce and marketplace APIs
- Validation, testing and packaging

TECHNICAL FOUNDATION

DESKTOP + IMAGING

Python / PySide6 / Qt / Pillow / OpenCV / NumPy

DATA + SERVICES

SQLite / SQL / Pydantic / REST / OAuth / GraphQL

WEB + NATIVE

React / Hydrogen / TypeScript / Vite / Rust / Tauri

AI + QUALITY

OpenAI / Anthropic / Gemini / pytest / Git / GitHub

SELECTED PROOF

PACKAGED Windows desktop installer
ACTIVE Multi-workspace commerce platform
800+ Products built and operated
500+ Five-star customer reviews
120+ Studio products photographed daily

WORKING APPROACH

Starts with the user and operating constraint, prototypes the smallest useful system, then adds deterministic data, failure handling, tests, documentation, and human approval where consequences matter.

EDUCATION + LANGUAGES

City College of San Francisco
Fine Arts and Photography

English and Portuguese - fluent
Spanish - basic to intermediate

SELECTED SYSTEMS

ListingLab

PRODUCT BUILDER / ACTIVE INTERNAL PLATFORM

Designed and built a Python desktop platform that turns master artwork into organized product imagery, catalog records, listing drafts, and marketplace-ready packages. Added calibrated compositing, stable catalog identity, preflight validation, secure credentials, retries, logging, tests, and human approval gates.

PYTHON / PYSIDE6 / OPENCV / SQLITE / PYDANTIC / REST / OAUTH / GRAPHQL / LLM APIS

Full multi-workspace application with deterministic and model-assisted stages.

Holdline

PRODUCT BUILDER / PACKAGED BETA

Built and packaged a private Windows dictation utility with on-device transcription, microphone recovery, direct Unicode text insertion, custom vocabulary, diagnostics, CPU fallback, and automated tests. Voice data remains local.

PYTHON / PYSIDE6 / FASTER-WHISPER / CTRANSLATE2 / WINDOWS APIS / NUITKA / INNO SETUP

Working installer and local inference path; signing and wider hardware QA remain.

Archive Print Co. Systems

FOUNDER / PRODUCT STRATEGY / ACTIVE BUSINESS SYSTEM

Created the operational systems behind a real 800+ product Shopify and Etsy business: public-domain sourcing, provenance, restoration, catalog automation, visual production, merchandising, marketing, and storefront workflows.

PYTHON / PYDANTIC / REACT / SHOPIFY HYDROGEN / GRAPHQL / VITE / MARKETPLACE APIS

Owner-operated since 2017 with more than 500 five-star reviews.

Reading Forest

PRODUCT BUILDER / ADVANCED PRE-RELEASE

Built an offline-first phonics product with more than 1,000 learning challenges, approximately 700 voice clips, local progress, recorded audio, PWA behavior, and Android and iOS shells.

HTML / CSS / JAVASCRIPT / WEB AUDIO / PWA / CAPACITOR / ANDROID / IOS / NODE QA

Physical-device QA and store submission remain release work.

PROFESSIONAL EXPERIENCE

ARCHIVE PRINT CO.

FOUNDER / ECOMMERCE OPERATOR | 2017-PRESENT

Own product strategy, creative production, customer experience, commerce operations, and the software workflows that connect them.

THE REALREAL - SAN FRANCISCO

STUDIO PHOTOGRAPHER | 2013-2017

Produced consistent ecommerce imagery for 120+ luxury products daily while meeting strict lighting, color, composition, accuracy, and turnaround standards.