

# Krystian Flores

Senior product engineer building AI-enabled web products; a technical lead who stays close to the code.

Tucson, Arizona | [krystianflores@gmail.com](mailto:krystianflores@gmail.com) | [linkedin.com/in/krystian-flores-189477b3](https://www.linkedin.com/in/krystian-flores-189477b3) | [krystianflores.com](https://krystianflores.com)

Senior product engineer and hands-on technical lead with 10+ years shipping production web systems. Leads frontend delivery across University of Arizona admissions and Drupal platforms, builds internal AI-assisted workflows, and co-founded MetaSculpt AI.

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|-----------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------|
| <b>10+ YEARS</b><br>Shipping production web systems | <b>PUBLIC AI PRODUCT</b><br>Co-founded and shipped | <b>UNDER 1 MINUTE</b><br>Clear logo-review cases, previously about 10 minutes |
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## EXPERIENCE

### University of Arizona - Senior Web Developer (frontend technical lead)

DEC 2019 - PRESENT | TUCSON, ARIZONA

- Lead development across admissions and enrollment sites, Drupal platform work, and internal AI-assisted brand and content workflows.
- Built React and Gatsby frontends backed by Drupal JSON:API and GraphQL, mapping editor-managed content to reusable, responsive components.
- Review code, debug production issues, document component and CMS patterns, and mentor junior developers while translating stakeholder requirements into implementation decisions.

### MetaSculpt AI - Co-Founder (technical lead)

AUG 2024 - 2025 | REMOTE / TUCSON, ARIZONA

- Co-founded and shipped a public AI visibility and schema automation platform for structured metadata, search visibility, and AI-answer readiness.
- Owned AI workflow design, crawler logic, prompt tracking, recurring report logic, documentation, and code review with a co-founder.
- Built workflows for crawl analysis, schema generation and validation, competitor and citation tracking, experiment tracking, and weekly insight reports.

### Automatit, Inc. - UX/UI Developer

2017 - 2019 | TUCSON, ARIZONA

- Built custom client websites using CodeIgniter, PHP, HTML, CSS, JavaScript, and Bootstrap.
- Often delivered up to four responsive, client-specific sites in a week.
- Onboarded and mentored new hires in the agency's high-volume delivery workflow.

## SELECTED PRODUCT WORK

### Logo Proposal Validation Agent

SHIPPED INTERNALLY | 2024 - PRESENT

Owned inception, architecture, development, documentation, and stakeholder coordination. Built approve, deny, clarify, and escalate paths using deterministic policy checks, retrieved guidance, structured outputs, channel notifications, and human review. Clear cases now move through the workflow in under one minute; reviewers previously reported about 10 minutes for manual review, reply drafting, and outreach.

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**SELECTED PRODUCT WORK - CONTINUED**  
**Arizona Admissions Site Redesign**

SHIPPED

Owned frontend development between the shared site navigation and footer. Took over implementation leadership after the original technical lead left, stabilized the Gatsby and Drupal architecture for launch, and mapped Drupal paragraph types to reusable Gatsby and GraphQL-powered components.

**Recruitment-Focused Landing Pages**

SHIPPED

Owned routing, component architecture, frontend implementation, and deployment for responsive, audience-specific admissions and enrollment campaign sites built in Next.js.

**University Drupal Platform and CMS Framework**

ACTIVE | 2019 - PRESENT

Build Drupal-connected components, templates, custom modules, Views integrations, AJAX interfaces, and paragraph-driven layouts for public university web properties. Turn one-off requests into reusable templates, implementation examples, documentation, and editor guidance.

**Content Writing Agent**

SHIPPED INTERNALLY | 2024 - PRESENT

Turned a stakeholder complaint about generic AI writing quality into a governed content workflow for enrollment- and brand-aligned copy. Designed channel-specific briefs, voice, style, and audience controls, saved examples, approved research sources, guideline cross-references, and human review.

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**TECHNICAL SKILLS**

**AI product work**

OpenAI API, Gemini API, RAG, embeddings, prompt and workflow design, structured outputs, policy retrieval, human-in-the-loop review, schema generation

**Backend and data projects**

Python, FastAPI, Postgres, pgvector, REST APIs, JSON Schema, Pandas, MLX, model evaluation, Docker

**Production frontend and CMS**

TypeScript, React, Next.js, Gatsby, JavaScript, semantic HTML, CSS, responsive interfaces, accessibility, performance, Drupal, PHP, JSON:API, GraphQL

**Hands-on technical leadership**

Stakeholder translation, product scoping, feasibility spikes, PR review, mentoring, reusable patterns, documentation, architecture tradeoffs, production triage

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**EDUCATION AND LANGUAGES**

**University of Arizona, College of Engineering**

Bachelor of Science in Electrical and Computer Engineering; Minor in Mathematics

English and Spanish

Portfolio lenses: [frontend](#) | [AI product engineering](#) | [technical leadership](#)