

DAKOTA SECULA-ROSELL

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SUMMARY

Backend software engineer and AI agent infrastructure builder with 3+ years shipping production software, product demos and launches, CI/CD pipelines, infrastructure-as-code workflows, and internal tooling. Builds in Python, Go, Elixir, and JavaScript/Node.js across ERP platforms, agent memory, evaluation environments, x402 payments, MCP tooling, and self-hosted Linux infrastructure. Focused on systems that move cleanly from demo to production: correct, observable, deployable, and useful without babysitting.

EXPERIENCE

Software Developer — Restyn Inc.

Sept 2022 – Present · Owings Mills, MD

- Design, build, launch, and maintain custom Odoo ERP/CRM/MRP software across e-commerce, event management, and home warranty industries; largest deployment processes millions of dollars in annual transactions.
- Build client-facing product demos, launch-ready features, reusable implementation patterns, and internal tooling used across active deployments and new revenue streams.
- Built CI/CD pipelines, Dockerized dev/production environments, and infrastructure-as-code workflows to make deployments repeatable, reduce environment drift, and lower release friction.
- Reduced customer-reported issues by >50% through systematic debugging, architectural improvements, and production ownership from scoping through operation.

Technical Director — Small Town Stars Theatre Co.

2015 – Present · Westminster, MD

- Managed up to 30 volunteers across 20+ productions at 3+ venues; owned technical scoping, delivery, and operational reliability.
 - Designed and implemented production-specific technical solutions across audio, lighting, staging automation, and live-event operations.
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PROJECTS

Engram · JavaScript · Node.js · Fastify · x402

github.com/dkta-labs/engram · engram.dkta.dev

Persistent memory infrastructure for AI agents: wallet-as-identity auth, full-text search, access control, and self-hosted deployment. Built as an agent-facing API, not a demo.

Extract · JavaScript · Node.js · Fastify · MCP · x402

github.com/dkta-labs/extract · extract.dkta.dev

Paid content-extraction API for autonomous workflows. Agents can call MCP-compatible tooling and pay per use for structured web content without subscriptions or API keys.

TavernBench / agent-mmo · Elixir · Phoenix · WebSockets ·

Python · Go

github.com/dkta-labs/agent-mmo · tavernbench.dkta.dev

Long-horizon evaluation environment for AI agents: realtime dungeon-crawler/MMO arena, Phoenix backend, Python SDK, and Go TUI for agent integration.

search.dkta.dev · Node.js · Nginx · Cloudflare · SearXNG · x402

Self-hosted metasearch service with x402 micropayment paywall. Node middleware proxies SearXNG behind Cloudflare origin TLS on Hetzner infrastructure.

TECHNICAL STRENGTHS

Product/platform delivery: scope → demo → launch → deploy → operate; production ERP/CRM/MRP systems, internal tools, and client-facing workflows.

Infrastructure: CI/CD, Dockerized dev/prod environments, infrastructure-as-code workflows, Linux servers, Nginx, Cloudflare, Hetzner, AWS, Azure.

Agent systems: persistent memory/context APIs, MCP tool surfaces, x402 payments, LLM orchestration, realtime evaluation environments.

Backend/API engineering: Python, Go, JavaScript/Node.js, Elixir, SQL; Fastify, Phoenix/LiveView, Flask, Odoo/OWL/QWeb.

OPERATING STYLE

Systems-minded builder: strong debugging discipline, low-drama deployments, observable services, practical automation, and end-to-end ownership from product demo through production support.