Omar Daghestani

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Summary

AI and automation engineer who designs, ships, and operates production systems end to end: LLM-powered workflows, AWS infrastructure, CI/CD, and data pipelines. Founder of Nexus Code, an independent engineering practice, where a single-engineer team built and runs a 30-system automation platform for a multi-shop commercial truck-repair company. Background in enterprise SaaS support and technical instruction.

Technical Skills

- **AI Engineering:** Anthropic Claude API (tool use, vision, OCR), prompt design and evaluation, model routing, production LLM workflow automation, MCP servers
- **Cloud & DevOps:** AWS (Lambda, ECS Fargate, RDS, S3, API Gateway, EventBridge, SES, IAM), Docker, GitHub Actions CI/CD, drift detection and safe-deploy tooling
- **Languages & Frameworks:** Python, JavaScript/TypeScript, SQL (T-SQL), Node.js, React, Google Apps Script, PHP
- **Data:** SQL Server on RDS, MySQL, REST API design, Data API Builder
- **Security & Reliability:** API authentication (JWT, OTP), least-privilege IAM, SQL injection remediation, credential rotation, incident triage, runbooks, SLA compliance

Professional Experience

Nexus Code **2025 – Present**

Founder & Engineer — independent AI & automation consulting; sole engineer from architecture to operations Denver, CO

Featured engagement — Iron Buffalo Holdings *(multi-shop heavy-truck repair and fleet services)*

- Built and operate a 30-system automation platform (∼60K lines) on AWS Lambda, SQL Server (RDS), Google Apps Script, and S3-hosted web apps — revenue reporting, compliance, commissions, and customer portals.
- Integrated the Claude API into 10+ production workflows — invoice auditing, service-request classification, handwritten-note OCR, twice-daily AI-written operations briefings — plus a read-only MCP server (45 entities, ECS Fargate) for natural-language analysis of the production database.
- Delivered digital inspection platforms for DOT annual (49 CFR 396.17) and preventive-maintenance compliance: offline-capable forms, countersignatures, dispatch queues, and randomized integrity checks that detect inspections signed off without being performed.
- Shipped an externally authenticated customer portal (email-OTP login, JWT sessions) serving fleet-readiness and spend KPIs to the client's largest national fleet account.
- Established GitHub Actions CI/CD with deploy gates that harvest out-of-band production edits into pull requests instead of overwriting them, plus daily drift and job-heartbeat detectors across Apps Script, Lambda, and S3.
- Hardened the public API surface: closed a read-path SQL write bypass, enforced table whitelisting, converted fail-open defaults to fail-closed, and authored the credential-rotation runbook.

Cognizant / TriZetto **Apr 2026 – Present**

Infrastructure Support Engineer — CIS Automation Tools & Platform *Englewood, CO*

- Support enterprise healthcare infrastructure across multi-server Windows and Linux environments, maintaining high availability and strict SLA compliance.
- Contribute to LLM training and evaluation for the platform's internal automation tooling — dataset preparation, output grading, and prompt refinement.
- Lead incident triage, root-cause analysis, and resolution; monitor application and server performance and automate alerting workflows with cross-functional DevOps teams.
- Author SOPs, system runbooks, patching protocols, and access-management policies.

edX **Jan 2023 – Jun 2025**

Full Stack Teaching Assistant *Remote*

- Mentored 200+ engineers in full-stack web development, software architecture patterns, systematic debugging, and Git workflows.

PowerSchool Group LLC **Apr 2021 – Jan 2023**

Technical Resource Specialist *Remote*

- Provided technical support for enterprise SaaS platforms, automated operational workflows with PHP and cron, and executed release testing for platform updates.

Education & Certifications

Western Governors University — B.S., Software Engineering — Dec 2024
Columbia University — Columbia Engineering Boot Camp (Full Stack) — Nov 2022

Certifications: AWS Certified Cloud Practitioner (2024) | CompTIA Project+ (2024) | CompTIA Security+ (2022)