

# ANGELA ROE

AI Systems Architect · AI Enablement & Operations · Workflow Automation

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► **INTERACTIVE PORTFOLIO: [AngelaRoe.com](https://AngelaRoe.com)** · Every project below has a working URL and an in-browser architecture walk-through.

## PROFESSIONAL SUMMARY

AI systems architect and operational leader with 15+ years managing regulated business operations and deploying production AI systems. Build multi-agent LLM workflows, retrieval-augmented systems, AI-enabled SaaS, and compliance-aware operational infrastructure. Rare combination of technical depth and operator credibility — P&L ownership, regulated process management, AI adoption strategy. Focused on deploying reliable, operationally safe AI in real-world environments. Seeking a mission-driven team where operator judgment and a collaborative bias toward implementation contribute to something larger than any single role.

## CORE COMPETENCIES

### AI SYSTEMS & ARCHITECTURE

- Multi-Agent LLM Systems
- RAG & Vector Retrieval
- AI Workflow Automation
- LLM Evaluation & Routing
- AI Governance & Safeguards

### PLATFORMS & INFRASTRUCTURE

- Python · Node.js · React · React Native
- Pinecone · Supabase · Firebase
- API Integration & SaaS Architecture
- Cloud Deployment · Vercel · Netlify
- Observability & Recovery Patterns

### BUSINESS & OPERATIONS

- AI Enablement & Adoption
- Solutions Consulting · Demos · POCs
- Process Engineering · Workflow Redesign
- Regulatory Operations · Compliance
- P&L Ownership · Vendor Management

## PRODUCTION AI SYSTEMS & WORKFLOW PLATFORMS

### Recon Manager • LIVE · DEMO ACCESS [reconmanager.netlify.app/](https://reconmanager.netlify.app/)

*Stack:* Firebase · Claude · Gemini · Real-time sync · Multi-role auth · Login: viewer / viewer

AI-enabled dealership operations platform replacing manual reconditioning workflows across inventory intake, cost estimation, and vehicle status tracking. LLM-assisted estimation, anomaly alerting, and operational visibility tools for non-technical end users.

### Tool Audition • LIVE · PRODUCTION [toolaudition.com/](https://toolaudition.com/)

*Stack:* React · Supabase · Stripe · Multi-provider LLM infrastructure

AI evaluation and provider benchmarking platform enabling side-by-side comparison across LLM providers for cost, latency, and output quality. Integrates 30+ services spanning language, speech, vision, mapping, and retrieval — supporting model selection prior to production adoption.

### Multi-Agent Market Intelligence System • LIVE · MONITORED [5.161.197.162:5000/](https://5.161.197.162:5000/)

*Stack:* Python · Pinecone · Multi-model orchestration · Retrieval-augmented decisioning · Operational safeguards

Consensus-based AI decision system combining retrieval-augmented generation and multi-model validation. Safeguards include anomaly detection, execution gating, automated rollback, and cross-model agreement — a study in operational reliability for autonomous AI.

### CarLotSupplies.com • LIVE · ACTIVELY SELLING [carlotsupplies.com/](https://carlotsupplies.com/)

*Stack:* Shopify · Claude API · Semantic search · Custom pricing engine · 600+ SKU catalog

B2B e-commerce platform with an AI shopping agent that parses dealer requests in natural language and returns matched SKUs. Acquired 50 dealership customers during initial launch campaign; operates with zero dedicated headcount.

### Mobile Master Mechanic • BETA · GOOGLE PLAY [Google Play Beta/](https://GooglePlayBeta/)

*Stack:* React Native · Claude API · OpenAI GPT · Dual-LLM diagnostic validation

Mobile diagnostic app running two LLMs in parallel; agreement is treated as signal, disagreement triggers follow-up rather than guessing — addressing single-model hallucination in customer-facing technical guidance.

## OPERATIONS & LEADERSHIP EXPERIENCE

### General Manager — Independent Automotive Dealership — Salem, OR 2010 – Present

- Full P&L ownership of a 100+ vehicle operation; led cross-functional team across sales, service, reconditioning, and compliance. Coordinated with vendors, lenders, regulators, and customers daily.

- Designed and deployed an internal AI agent suite (lead response, title tracking, reconditioning platform) that eliminated \$77K+ in annual labor costs and improved visibility for non-technical staff.
- Navigated Oregon DMV and dealer regulatory framework as operator — compliance treated as architecture, not checkbox. Authored SOPs and trained staff on regulated workflow changes.

**Founder & Operator** — CarLotSupplies.com · Auto Keys NW LLC 2018 – Present

- Launched CarLotSupplies.com B2B platform; coordinated 50-dealership GTM campaign via QR-linked ordering. Operates with AI-driven support and zero dedicated headcount.
- Auto Keys NW LLC — Oregon Licensed Construction Contractor (locksmith); scheduling, vendor coordination, and compliance under active CCB license.

**EDUCATION & CREDENTIALS**

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**B.S. Business Administration — Public Policy Focus** · Southern New Hampshire University · **4.0 GPA**

**International Business Studies (Study Abroad)** · IHM School of Business — Gothenburg, Sweden · **4.0 GPA**

**Google Project Management Professional Certificate** · Google / Coursera · 2023

**Oregon Licensed Construction Contractor — Locksmith** · Oregon CCB · Auto Keys NW LLC · Active