

AI Systems & Automation



GOVERNMENT · ENTERPRISE · REGULATED INDUSTRY

| End-to-end agentic AI — concept to production, no handoffs.

WHY STACK-LABS

Full-Cycle Coverage

BD & capture → architecture → production → audit-ready controls. No handoffs.

Production Scale

Systems deployed at 200,000-user scale — real reliability, not demo-ware.

Compliance-First

FISMA · NIST 800-53 · SOC 2 · HIPAA · FAR — designed in from day one.

Privacy-Preserving AI

Local & self-hosted LLM — sensitive data stays in controlled environments.

Federal Procurement Fluency

FAR documentation, SAM.gov / SLED integration — applied in practice.

Speed

Concept to production without handoff chains or coordination overhead.

CORE CAPABILITIES

- Agentic Workflow Design & End-to-End Automation
- LLM Prompt Engineering & System Architecture
- RAG-Based Retrieval & Vector Database Integration
- Conversational AI, Chatbot & Voice AI Systems
- Federal Procurement Automation (SAM.gov, SLED, FAR)
- Multi-Channel Campaign Automation (Email, SMS)
- AI-Powered CRM Design & Lead Pipeline Management
- Executive AI Advisory & C-Suite Technical Translation
- Secure API & Backend Development (Python, TypeScript)
- Database Architecture & Security (RBAC, Encryption)
- Privacy-Preserving / Local LLM Deployment
- Program Controls, Milestone Tracking & BOE Dev
- Compliance: SOC 2 · HIPAA · P22 · FISMA · FAR
- Mobile App Dev — iOS (Swift) & Android (Kotlin)
- UX Design & 508 Accessibility
- Subcontractor Management & Contract Administration

SELECTED PROJECT EXPERIENCE



\$170K+

RAISED VIA AI CHATBOT

AI Political Fundraising Chatbot Conversational AI · Agentic Automation

- \$170,000+ raised through fully autonomous outreach
- 10,000+ real user conversations at scale
- Escalation routing with zero human touchpoints

200K+

USERS AT PRODUCTION SCALE

Production AI Platform Production Scaling · Program Controls

- Scaled to 200,000 active users with full reliability
- 50+ person subcontractor program performance tracking
- App Store & Play Store QA validation across builds

100%

SOC 2 COMPLIANT OPERATION

Agentic Voice AI — Property Management Voice AI · RAG Retrieval · Compliance

- Urgency triaging — portfolio-wide consistency
- Fully SOC 2 & HIPAA P22 architected from day one
- 24/7 autonomous time-sensitive issue escalation

70%

PROPOSAL OVERHEAD REDUCED

Federal & SLED Proposal Automation Federal Procurement · SAM.gov · RAG

- SAM.gov pipeline with RAG-based proposal drafting
- 70% reduction in overhead — FAR standards throughout
- Version control for full compliance traceability

90%

CONTRACT REVIEW TIME CUT

Contract Review & Analysis Agent AI Document Analysis · PDF Ingestion

- 90% cyclic reduction — PDF ingestion & LLM sums
- Automated routing, filing, and document safeguards
- Reusable across document-heavy workflows

75%

FASTER INVOICE PROCESSING

Accounts Payable Invoice Automation Financial Automation · GAAP Compliance

- 75% faster processing with zero manual errors
- Structured classification & manual AP elimination
- GAAP-compliant with full audit traceability

THE TEAM

Emiel Madonna

AI Systems Architect · Automation

- Agentic workflow design & LLM architecture
- Conversational AI, Voice AI, RAG pipelines
- Solo full-stack delivery (concept to prod)

Parker Boynton

AI Systems Architect · Procurement

- LLM-driven agentic application development
- Federal procurement automation (SAM.gov, FAR)
- Secure API & backend dev (Python, TS)

Andrew Aiona

AI Product Lead · Automation

- AI product strategy & 0→1 build execution
- Production scaling — 200K-user platform
- Privacy-preserving / local LLM deployment

Dominic Bal

Program Controls Lead · Mobile

- Program scheduling, BOE, tracking
- 50+ person subcontractor management
- iOS & Android native dev

Emiel Madonna

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PREPARED FOR GOVERNMENT & ENTERPRISE