



PEGGENS ALTIDOR

AI Architect & Systems Strategist — Technical Portfolio & Media Kit

01. Executive Profile

Peggens Altidor is a systems architect and corporate strategist specializing in autonomous infrastructure, containerized agentic workflows, and sovereign data systems. Synthesizing an analytical approach to operational ecosystems with rigorous organizational governance, Peggens engineers custom enterprise frameworks that eliminate third-party SaaS dependencies and capitalize on emerging digital paradigms.

As the technical founder behind proprietary automations—including *Myoshee*, an autonomous voice-intelligence and telephony gateway, and *Culture Boss*, a specialized application tracking relational human capital and biological telemetry—Peggens focuses strictly on self-hosted, scalable architectures. His consulting practice advises technology executives, investment funds, and forward-looking enterprises on leveraging sovereign automation, relational database intelligence, and operational resilience to scale efficiency.

Hard-Coded Technical Stack Specification

“Sovereignty is built at the command line. We engineer custom architectures using a hardened, self-hosted deployment pipeline to guarantee maximum resource control and total data isolation.”

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|          PEGGENS ALTIDOR CORE TECH STACK          |
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| COMPUTE & RUNTIMES      DATA & MESSAGING      TELEPHONY & NETWORK      |
| - Docker / Compose      - PostgreSQL              - Asterisk / SIP        |
| - Python (FastAPI)      - SQLite (Edge Nodes)    - Nginx Reverse Proxy   |
| - Node.js               - MQTT (TLS Encrypted)    - WebRTC / Tailscale   |
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- **Infrastructure & Deployment:** Linux VPS architectures running isolated container environments managed strictly via `docker-compose`. Network isolation and terminal sessions secured over custom Tailscale mesh overlays.

- **Application Logic & Orchestration:** High-concurrency backend pipelines built natively in asynchronous Python (FastAPI) and Node.js. Heavy emphasis on custom agentic routing scripts and low-overhead system daemons.
- **Data Ingestion & Event Processing:** Structured data persistence handled via ACID-compliant PostgreSQL instances and ultra-lightweight SQLite edge schemas. Real-time biological and telemetry inputs processed asynchronously through TLS-hardened MQTT brokers.
- **Telephony & Edge Audio:** Local voice gateways deployed via Asterisk/FreeSWITCH SIP nodes. Real-time audio pipelines within Myoshee leverage edge-optimized Whisper execution scripts and sub-second voice activity detection (VAD) models.

02. Core Intellectual Pillars

- **01. Sovereign Automation & Agentic Frameworks:** True operational leverage requires absolute control over software infrastructure. We reject fragile, generic SaaS dependencies in favor of localized, self-hosted, and containerized AI environments. By engineering private agentic architectures and autonomous communication nodes, we secure total data autonomy and institutional resilience.
- **02. Relational Capital & Human Synergies:** Technology is a force multiplier, not a replacement for human leverage. Through strict systemic mapping and intentional network analysis, we unlock latent human capital. We treat professional networks as dynamic relational databases, engineering precise synergies that yield measurable commercial and strategic advantages.
- **03. Data-Driven Biological & Operational Optimization:** Systemic efficiency is absolute and continuous, applying equally to computational infrastructure and biological performance. Whether tracking metabolic variables, environmental fermentation metrics via Culture Boss, or server resource allocations, optimization demands empirical data over abstract theory. We manage health, wellness, and software through identical telemetry and ruthless execution.

03. Empirical Case Studies

Case Study 01: Myoshee Telephony Hub

Autonomous Voice Intelligence & B2B Inbound Automation

Myoshee was engineered to eliminate high-overhead human screening tiers by introducing a self-hosted, autonomous telephony and voice-intelligence gateway. The system bypasses fragile, high-cost third-party SaaS middleware to establish a direct, sovereign SIP (Session Initiation Protocol) trunk integration hosted on containerized infrastructure.

CORE STACK	INTEGRATION TOPOLOGY	PERFORMANCE METRICS
Python, Docker, Asterisk/FreeSWITCH, custom low-latency Voice Activity Detection (VAD) algorithms.	Direct WebRTC and SIP routing to local transcription engines (Whisper Edge) running on sovereign infrastructure, feeding into custom agentic orchestration layers.	<ul style="list-style-type: none">Automated 88% of standard business discovery and qualification loops.Voice-to-intent round-trip response time dropped below 1.2 seconds.Reduced baseline telecom operational overhead by 73%.

Case Study 02: Culture Boss

Sovereign Biological Telemetry & Environmental Automation Engine

Culture Boss represents a strict translation of biological and agricultural precision into a scalable software application. Built to manage data-driven fermentation phases and metabolic optimization inputs, the engine continuously monitors erratic environmental variables and micro-scale agricultural metrics, converting messy, real-time biological data into structured, highly available relational intelligence.

CORE STACK	TELEMETRY ARCHITECTURE	PERFORMANCE METRICS
Node.js / Python, PostgreSQL, MQTT protocols, Docker Compose.	Low-energy sensor arrays transmitting multi-variant metrics (pH fluctuations, atmospheric humidity, thermal curves) via secure, encrypted MQTT brokers.	<ul style="list-style-type: none">99.98% packet ingestion success over variable local network conditions.Automated alerts and closed-loop environmental controls cut batch variance to absolute zero.Eliminated manual tracking overhead completely.

04. Commercial Architecture & Service Tiers

SERVICE TIER	SCOPE OF DELIVERY	FINANCIAL PARAMETERS
Systems Architecture	Full-stack deployment of localized AI logic, self-hosted containerization (Docker/VPS), custom LLM fine-tuning, and autonomous telephony hub setup (Myoshee integration).	Baselines at \$25,000 / sprint cycle. Project-dependent fixed fees.
Relational Capital Modeling	Mapping and auditing organization-wide human capital, designing custom Relational Intelligence Engines, and establishing programmatic B2B networking pipelines.	Value-indexed per project engagement parameters.
Strategic Advisory	Direct access for technical diagnostic assessment, technical pipeline reviews, infrastructure auditing, and architectural oversight.	<ul style="list-style-type: none"> • Diagnostics: \$1,500 / hr. • Retainer: \$7,500 / mo.

Speaking & Facilitation Parameters

- **Keynote Address & Technical Briefings:** Domestic engagements scale at **\$10,000** baseline; International engagements at **\$15,000** minimum.
- **Format Matrix:** Standard delivery entails a hard-coded 45-minute technical address capped with a mandatory 30-minute interactive technical or architectural QA.
- **Logistical Rider:** All engagements strictly require client-funded round-trip first-class air travel, premium single-occupancy hotel accommodations, and dedicated private ground transit.

READY TO BUILD?

Engagements are selective. If your project demands sovereign infrastructure, zero-dependency architecture, and measurable outcomes — the conversation starts here.

INQUIRIES

Direct engagements only. No intermediaries.

AVAILABILITY

Limited sprint cycles per quarter.
First-come, scoped by fit.

INITIATE

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— Peggens Altidor | AI Architect & Systems Strategist | Sovereign Infrastructure | Agentic Systems