

Matt “Foxx” Treacy

Solution & Software Architect · AI-Native Engineer

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SUMMARY

Systems architect and AI-native engineer with ~20 years across IT operations, DevOps and cloud. I bridge the gap between business strategy and technical execution — leading projects, aligning stakeholders, and driving teams to solve complex problems. Recently solo-shipped a secure multi-tenant AI platform to production in about a month. Pragmatic and stack-agnostic — judgement over tools — with the leadership to scale that judgement across an organisation.

EXPERIENCE

Senior IT Systems Engineer → Architect-level work, Adaptivist

2018 — Present

Sole architect & engineer of a secure, serverless multi-tenant AI platform — core to production in ~1 month, then evolved solo from there.

Led cross-functional initiatives, aligning business stakeholders and technical teams to solve complex architectural bottlenecks.

Consulted with internal teams to overhaul developer workflows, implementing automation that reduced cycle times and improved deployment safety.

Designed schema-per-tenant data isolation, RBAC/ABAC access control and a single AI gateway for model governance, failover and cost control.

Built an agentic AI app-generation system: a plain-English brief becomes a validated, deployable multi-file app via an LLM tool-calling build loop.

Core engineer on a self-service container platform on AWS-managed Kubernetes (EKS) — autoscaling compute and storage, multi-tenant isolation, full image-to-UX ownership.

Founder & Director, NXS Computers

2007 — 2018

Owned everything: delivery, client relationships, operations and the bottom line.

A decade of hands-on operations across hardware, networks and systems — the production instinct that underpins how I architect today.

SELECTED PROJECTS

Enterprise Multi-Tenant AI Platform — Sole Architect & Engineer

Designed and built, solo, a secure serverless multi-tenant platform — core to production in ~1 month.

Implemented schema-per-tenant data isolation, object-storage partitioning, and policy-driven RBAC/ABAC.

Built an agentic AI app-generation system: natural-language brief → validated, deployable multi-file app.

Self-Service Kubernetes Container Platform — Core Engineer & Technical Lead

Technical lead on a self-service platform running multi-tenant workloads on AWS-managed Kubernetes (EKS).

Wrangled cross-functional teams and business stakeholders to align on architecture and security requirements.

Owned the full stack — from infrastructure compute/storage scaling to the consultant-facing self-service UX.

SKILLS

Architecture: Solution Architecture, Software Architecture, System Design, Multi-tenant SaaS

AI / LLMs: LLMs / Generative AI, AI Agents, Agentic Systems, Model Governance

Cloud & Platform: AWS, Kubernetes (EKS), Serverless, Docker, DevOps, Infrastructure

Build stack: Next.js, React, TypeScript, Node.js, PostgreSQL