Travis London
 Chief Architect | Systems Designer | Technical Leader
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EXECUTIVE SUMMARY

Architect and systems designer with 20+ years building disciplined, auditable software ecosystems—from executable-model compilers to autonomous SaaS frameworks. Repeatedly trusted to bring order to complexity: defining architecture patterns, mentoring engineers, and guiding technical direction through growth and acquisition. Strengths lie in reproducible architectures, model-driven design, and steady technical leadership.

RECENT EXPERIENCE

Chief Software Architect — Outside Analytics + SMX   *Dec 2020 – Present*
(Joined at ~20 employees; supported growth past 100 and company acquisition)

- Architected a **near-real-time geospatial and sensor-data analytics platform**—schema-driven, event-based, and scalable beyond visualization; directly enabled 4–5 multi-year contract wins and became core IP in the company acquisition.
- **Initially led a 6–8 person cross-functional team** (frontend, backend, and DevOps) while collaborating directly with prime-contractor leadership on a 200+ person program.
- **Since 2022, appointed lead architect** guiding ~30 engineers, program managers, and business-development teams; responsible for architecture direction and platform roadmap across multiple projects.
- Established secure CI/CD pipelines and container-scanning standards (OpenShift + Ansible + AWS Code Build) meeting enterprise and compliance requirements.
- Authored comprehensive system documentation (component and sequence diagrams) and mentored engineers in model- and domain-driven architecture.
- Formed an internal R&D division producing 50 + micro-services and 40 + visual applications for sensor and satellite analysis (Cesium + custom APIs).

- Operated across low- to high-side environments with annual security training and compliance exercises; experienced in secure data handling without active clearance.

Software Architect Contractor — AAIM Kitchens   *Nov 2019 – Dec 2020*
 Delivered full AWS cloud infrastructure and React applications for operations management; implemented CI/CD and user authentication stack with Cognito; completed Phase One and Two contracts ahead of schedule.

VENTURES & INNOVATION

Founder & Chief Architect — Layer Thirteen   *2024 – Present*
 Building an autonomous SaaS architecture focused on verifiable builds and reproducible processes. Designed a protocol for coordinated AI-driven services with transparent, test-driven governance. Currently developing *Particles by Layer Thirteen* — a live 2-D / 3-D data-field visualization exploring resonance, decay, and system stability.

Independent Research Project — FMAY (For Me And You)   *2016 – Present*
 Prototyped a pledging-based funding and governance model for open-source software. Designed escrow and release logic, GitHub integration, and transparent progress tracking to ensure contributor ownership and community trust.

EARLIER CAREER HIGHLIGHTS

Senior Software Architect — TechMod Group   *Mar 2018 – Nov 2019*
 Introduced SDLC processes and AWS architecture (VPC, API Gateway, Aurora, Lambda); mentored team and guided technology adoption.

Senior Software Engineer — One Fact   *Sep 2015 – Sep 2016*
 Built semantic model search facility and automated AWS AMI build pipeline.

Senior Software Engineer — Mentor Graphics   *May 2003 – Sep 2015*
 Pioneered graphical compare-and-merge tools for modeling software; developed AUTOSAR editor for vehicle systems; co-authored product documentation and trained global clients.

TECHNICAL FOCUS

Architecture & Leadership: System Design • Process Governance • Model-Driven Engineering • Multi-Team Mentorship

Cloud & Backend: AWS (ECS, Lambda, RDS, CloudFront, Cognito) • FastAPI • PostgreSQL • Serverless Design

Frontend & Visualization: React / React Native • deck.gl • Cesium • Flutter • Docusaurus

Languages: Java • JavaScript / TypeScript • Python • SQL • C / C ++ • Dart

Practices: CI/CD • Container Security Scanning • Event-Driven Architecture • Documentation Automation

EDUCATION & CONTINUOUS LEARNING

Self-taught through professional practice across systems engineering, model-driven architecture, and distributed software design.