

PETER ALCOCK

FRACTIONAL CTO · TECHNOLOGY STRATEGY · AI & PLATFORM MODERNIZATION

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PROFILE

Technology leader with 15+ years spanning Fortune 100 platforms and seed-stage startups, operating as fractional CTO since 2018. Sets AI and cloud strategy, then stays hands-on enough to ship it — architecture decisions, vendor selection, hiring, and delivery accountability. Track record includes launching SaaS products, modernizing data platforms, scaling organizations to 50+ staff, and carrying regulated systems through SOC 2, HIPAA, and NIST requirements. Translates business goals into engineering roadmaps executives can fund and engineers can build.

50+

FTE organizations
built and led

~30%

infrastructure cost
reduction delivered

10×

platform scale via
automation & services

3×

revenue growth in six
months on a rebuild

CORE COMPETENCIES

LEADERSHIP & STRATEGY

Fractional CTO engagements, AI strategy & OKRs, technology roadmapping, build-vs-buy, budget ownership, hiring & mentoring, offshore team turnaround, executive communication, technical due diligence

CLOUD & PLATFORM

AWS (EC2, S3, EFS, RDS, Bedrock, IAM), GCP, Kubernetes, Docker, Terraform, Ansible, microservices, GSLB, CDN strategy, Heroku, Linux

GOVERNANCE & RISK

SOC 2, HIPAA, NIST 800-53/CSF, IaC, zero-downtime deployment, IAM, Auth0, JumpCloud, threat detection, vulnerability management, incident command

AI & DATA

Generative AI, AWS Bedrock, LLMs, RAG systems, vector databases, ML Ops, NLP, predictive analytics, data-enrichment pipelines, AI governance & safety

ENGINEERING

Python (Django, Flask, FastAPI), Ruby (Rails), Go, TypeScript/Node.js, React, Java (Spring), SQL & NoSQL, API design, REST, GraphQL

SECTORS

Healthcare SaaS, public safety, media & streaming, AdTech, FinTech, e-commerce, nonprofit technology, federal & state contracting

ENGAGEMENT MODEL

0 → 1 build-out — architecture, first hires, and a shippable platform from a standing start

AI strategy to production — adoption sequencing, model selection, evaluation, and governance

Org & vendor turnaround — rebuilding delivery cadence on stalled or offshore teams

Modernization & cost takeout — cloud migration, microservice decomposition, spend reduction

Compliance readiness — SOC 2, HIPAA, NIST posture ahead of audit or federal contracting

Executive translation — roadmaps, OKRs, and diligence material boards can act on

PROFESSIONAL EXPERIENCE

Eclectic Labs LLC | Principal Consultant / Fractional CTO

MAY 2018 – PRESENT

- Serve as fractional CTO and principal technologist to founders and executive teams — owning technology strategy, architecture, vendor selection, hiring, and delivery accountability rather than advising from the sidelines.
- Set AI product vision with C-level stakeholders and translated it into engineering roadmaps tied to business KPIs, including build-vs-buy calls and phased adoption sequencing.
- Led cross-functional teams up to 25 across distributed and offshore staff; ran turnaround management on stalled vendor teams and rebuilt delivery cadence.
- Delivered cloud modernization cutting on-prem spend ~30% and scaling systems 10× via automation and microservice decomposition; migrated Heroku infrastructure to AWS (TokenTax).
- Owned platform rebuilds end to end: eCommerce with OCR prescription parsing at checkout (Visionary Optics), tripling sales in six months; *Task Force*, a gig-economy platform with mobile apps, SMS gateways, and routing that cut fulfillment time 30%.
- Built AI-based threat monitoring and automated vulnerability assessment (ZEPSEC); researched and shipped anti-deepfake video KYC for a neobank (GO2bank).
- Established CI/CD, zero-downtime deployment, and SOC 2-aligned architecture as standing engineering practice across the client portfolio.

Televeda | Fractional CISO / Staff Engineer

DEC 2025 – MAR 2026

Contract staff-level engineer operating as the company's de facto security and compliance lead.

- Built the HIPAA and NIST 800-53/CSF-aligned security posture from the ground up for a healthcare SaaS platform serving VA, UHC, Mercy Care, BCBS/HCSC, and Google partnerships.

- Authored the core policy set — workforce security, access control, incident response, technical offboarding — plus the audit-trail process backing HIPAA Business Associate Agreements.
- Administered and secured AWS IAM, Heroku production and staging, Cloudflare, and CI/CD; centralized identity in Auth0 (console and management API), device posture in JumpCloud, and access governance across GitHub, Google Workspace, Bitwarden, Datadog, Sentry, and PagerDuty.
- Mapped compliance gaps across infrastructure and the vendor stack ahead of audit; served as primary technical authority on security architecture for VA contract obligations.

Deed | Head of AI

APR 2024 – NOV 2024

- Established and led the AI function: set strategy, selected the platform (AWS Bedrock), and delivered automated customer support on Bedrock + Zendesk that removed the bulk of manual triage.
- Advised senior management on AI adoption sequencing, cost exposure, and where automation would and would not pay back.
- Authored the company's AI data-handling and security policy, keeping deployment inside data and regulatory constraints.
- Directed build-out of retrieval infrastructure (vector databases into live chat), AI-driven ETL and enrichment pipelines, and generative AI inside the CMS for content transformation.

TeamSnap | Staff Software Engineer

JUN 2022 – DEC 2022

- Built Ruby on Rails application services powering AdTech revenue surfaces, working across design, front-end, and database architecture.
- Evaluated and prioritized feature proposals with product on business value, technical feasibility, and user impact; translated them into specs and technical roadmaps.
- Ran the weekly Ruby guild mentoring engineers on patterns, testing discipline, and performance; hosted rapid-prototyping sessions so stakeholders reacted to working software instead of documents.

Mark43 | Senior DevOps Manager / Engineer

AUG 2016 – JUL 2018

- Held 24/7/365 uptime against strict SLAs on mission-critical law-enforcement CAD/RMS software, serving as top-tier on-call through live crisis events.
- Built SAML SSO middleware unifying disparate police, 9-1-1, and evidence-management systems, plus inter-agency API management federating evidence data securely across jurisdictions.
- Implemented AWS auto-scaling and performance monitoring to absorb unpredictable incident-driven load surges.
- Established and enforced the security policies and controls that achieved and maintained SOC 2 compliance.
- Piloted facial-recognition tooling and prototyped person-of-interest identification in a regulated environment; managed CAD/RMS release delivery and rollout.

HBO | Senior Infrastructure Engineer

NOV 2014 – APR 2016

- Key contributor re-architecting legacy systems into a global AWS CDN that absorbed spikes reaching ~5% of U.S. internet traffic during *Game of Thrones* premieres.
- Decomposed monolithic Java applications into scalable, resilient AWS microservices and designed the global load-balancing (GSLB) strategy and CI/CD pipelines behind them.
- Built real-time analytics and centralized logging (Splunk, ELK) across multi-terabyte event stores.
- Spearheaded global server orchestration (RunDeck) for deployment speed and stability; led cross-department incident response during major live broadcasts.

Turner Broadcasting System (Time Warner) | Senior Software Engineer

MAY 2014 – NOV 2014

- Built real-time dashboards (Python/Flask, D3.js) giving executives visibility into ad performance across CNN, Adult Swim, and ESPN; led the engineering effort on ad-health coverage monitoring.
- Migrated advertising platforms from Google DE to DoubleClick for Publishers, unlocking advanced targeting for the Turner 2020 initiative, and built crawlers to audit and optimize digital ad inventory.

Visikard Inc. | Engineering Manager

SEP 2011 – MAY 2014

- Led a 30-person product and engineering organization including offshore teams, delivering mobile apps and AdTech integrations (OpenX, AWS) through UX, API development, and Agile sprints.
- Introduced NLP models for message analysis and influencer identification, lifting engagement 25%; built recommendation engines that improved search satisfaction 20%; customized OpenX for real-time bidding and migrated infrastructure to AWS.

Design Associates Inc. | IT Manager

JUL 2010 – JUN 2011

- Owned all IT infrastructure — servers, VoIP, VPN, firewalls, network security, and WISP compliance — plus accounting systems and the corporate web presence and SEO.

EDUCATION & INTERESTS

BOSTON UNIVERSITY
Graduate Certificate, Business & Entrepreneurship — 2011

SUFFOLK UNIVERSITY
B.S., Media Communications — 2006–2010

OUTSIDE WORK
Salsa dancing · mountain sports · dog-daddling