

# Michael Armitage

## FOUNDING ENGINEER & PRODUCT LEAD (CTO)

Product and engineering leader building scalable platforms that improve speed, reliability, and decision quality for institutional financial workflows.

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## Value Proposition

- Turns roadmap priorities into shipped architecture, delivery workflows, and execution.
- Built and scaled institutional financial platforms across early-stage startups and established organizations.
- Hands-on AI workflow practitioner applying structured human-in-the-loop methods to improve execution quality.

## Experience

### Derivitec Ltd Founding Engineer & Product Lead (later CTO) - London

2017 - Present

Joined a two-person fintech startup with an unstable prototype and unclear roadmap, then built it into a secure, scalable production platform for near real-time risk and portfolio management.

#### KEY IMPACT

- Supported 400+ users across 20+ institutions, improving decision speed and confidence as real-time risk adoption scaled.
- Re-architected risk computation from a single webserver to a horizontally scaled fan-out architecture, reaching 120 vCPU / 400 GB baseline and 1,500 vCPU / 6 TB peak, while isolating client workloads.
- Processed trillions of risk calculations daily across production workloads.
- Transformed overnight end-of-day risk reporting (up to 30-minute runs) into near real-time risk analysis with live price feeds, enabling real-time trading decisions.
- Replaced poorly safeguarded manual deployments with CI-driven delivery, quality controls, and human approval gates, enabling production deployment in about one hour from code push.
- Delivered 50%+ AWS cost reduction via a three-stage migration: Microsoft to Linux, EC2 to EKS, then Intel to ARM.
- Executed the multi-repo Intel-to-ARM transition in under one week with minimal downtime.

#### PRODUCT & TECHNICAL EXECUTION

- Defined product strategy from early concept through launch and iteration, balancing client impact, technical feasibility, and delivery speed.
- Built a discovery-to-production operating rhythm with rapid feedback loops, clear quality gates, and predictable delivery.
- Partnered across engineering, research, product, and design to translate complex technical capabilities into usable client workflows and high-value releases.
- Implemented infrastructure-as-code, production-derived automated testing, and release safeguards to increase deployment confidence.
- Implemented client-facing reporting with an infinite-scale Druid + AG Grid pivot and lazy loading, enabling responsive custom aggregation on 100k+ row institutional reports.
- Applied Codex across product re-engineering, infrastructure automation, and CI/CD hardening, driving a 10x engineering delivery performance gain and faster feature rollout.

### Verisk Specialty Business Solutions Solutions Architect - London

2016 - 2017

Led cross-functional stabilization work to improve reliability across insurance software products.

- Led product-engineering alignment on a claims reliability roadmap, improving release confidence.
- Implemented regression automation and standardized release workflows to reduce escaped defects and improve delivery predictability.

### Bedrock RealTime SA Agile Team Leader - London

2013 - 2016

Led post-acquisition productization of portfolio tooling to support broader client rollout.

- Led rollout of the Stanhope-built platform to Bedrock RealTime SA clients, improving reporting visibility and data accuracy.
- Automated core workflows and delivered a client portal to improve onboarding and self-service.

### Stanhope Capital Senior Developer - London

2008 - 2013

Built portfolio management and reporting capabilities that improved control across investment operations.

- Implemented APX portfolio management and bespoke OMS capabilities aligned to investment operations.
- Built reconciliation, transaction loading, and Bloomberg pricing integrations to improve data quality and operational reliability.

### BlueCrest Capital Management Associate, Middle-Office Derivatives - London

2006 - 2008

Automated middle-office derivatives processes to reduce operational risk and improve process reliability.

- Automated reconciliation, fee workflows, and expiry processing to improve settlement accuracy and reliability.
- Built electronic blotter and broker confirmation tooling to improve trade transparency and control.

### J.P. Morgan Asset Management Data Analyst - London

2005 - 2006

Improved data operations by automating static data and reconciliation workflows.

- Automated static data intake, improving data quality and turnaround time.
- Automated futures reconciliation to reduce breaks, manual effort, and operational exceptions.

## Education

BSc Actuarial Science (Hons), City University London (2001 - 2004)

A-Levels: Maths (A+), Further Maths (A), Physics (A)