

CURRICULUM VITAE

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About

I build products by turning messy problems into systems that scale, pairing technical rigor with clear product intent.

As a CTO, I rebuilt platforms and workflows, aligned stakeholders on roadmap priorities, and delivered measurable gains in reliability, cost, and speed, often as a solo operator in chaotic environments.

I have hit the ceiling of solo Codex adoption and want to help build the product that unlocks the next order of magnitude.

I want Codex to distill text, voice, and video into a living, searchable context that drives planning, agentic execution, and concise clarification loops over time.

Experience

Derivitec Ltd

January 2017 - Present

CTO - London

Joined when Derivitec was a two-person startup led by mathematicians, with an unstable product and a manually deployed public EC2 instance. Built the engineering function, shaped the product roadmap with stakeholders, and transformed the platform into a secure, automated, and scalable AWS architecture for near real-time risk and portfolio management.

As CTO, I led a zero-to-one platform rebuild, established modern engineering practices, and delivered measurable gains in scale and reliability, dramatically reducing risk calculation time while keeping cloud spend controlled through platform modernization and Codex-driven optimization.

- **Secure cloud foundation:** Replaced ad-hoc deployments with infrastructure-as-code, applied AWS Well-Architected security and reliability pillars, and introduced automated, repeatable environments.
- **Developer workflows:** Implemented source control, CI/CD, release quality gates, and standardized delivery workflows across teams.
- **Platform modernization:** Migrated from Windows licensing to cross-platform .NET on Linux, reducing cost and improving portability.
- **Data layer transformation:** Migrated from SQL Server to Postgres, improved query performance, and strengthened data security and auditing.
- **Reliable test environments:** Automated test environments from production backups with anonymized identifiers to enable safe, repeatable releases.
- **Reporting and analytics:** Built live reporting systems, migrated report storage to S3, and orchestrated PnL/VaR calculations via AWS Step Functions.
- **Agentic acceleration:** Used Codex to shift effort from ad-hoc releases to repeatable automation, deliberately delaying minor features to harden core workflows.
- **Client integrations:** Led integrations with Bloomberg for live pricing plus Enfusion OMS and Orchestrade to expand client-facing capabilities; later delivered FundStudio, Maia, and Liquidity Book integrations with Codex.
- **Containerization and scale:** Dockerized services and migrated to Kubernetes using Codex, delivering elastic compute for near real-time risk calculations.
- **Cost leadership:** Used Codex with the AWS CLI, Cost and Usage Report (CUR) data, and a Git repo to analyze cloud spend, identify 25%+ savings, and implement them over time.
- **ARM migration:** Used Codex to lead a coordinated multi-repo Intel to ARM migration in under a week, deployed over a weekend with minimal manual intervention.

Impact: Turned a two-person prototype into a secure, scalable risk platform with minutes-to-seconds latency.

Codex in Practice

Work and home outcomes from deep Codex adoption.

WORK

- Automated AWS cost analysis and governance, driving sustained cloud cost reduction.
- Accelerated a multi-repo Intel to ARM migration to a weekend rollout with no human interruption.
- Scaled infrastructure automation across CI/CD, testing, and release workflows for reliability and speed.
- Codified infrastructure-as-code and Kubernetes operations to keep delivery repeatable and secure.
- Built user feedback loops to refine agentic workflows and prioritize the next automation opportunities.

HOME

Home projects are a practical extension of how I work with agentic tools.

- Built a second-brain system to distill Codex/ChatGPT interactions into searchable context.
- Applied agentic workflows to home automation (Home Assistant, Zigbee, MQTT).
- Prototyped robotics and Arduino projects with rapid iteration loops.
- Configured retro gaming systems and emulation tooling using guided automation.

Earlier Experience

Sequel Business Solutions

January 2016 - January 2017

Solutions Architect - London

Verisk Specialty Business Solutions (formerly Sequel Business Solutions) has been a leading industry software specialist for over 25 years, delivering impactful, reliable solutions that provide end-to-end management of insurance and reinsurance operations.

- Aligned product owners and engineering on a Claims reliability roadmap, improving stability and release confidence.
- Partnered with stakeholders to translate customer feedback into stabilization priorities and release criteria.
- Implemented automated regression coverage to shorten feedback cycles and reduce escaped defects.
- Standardized release workflows to improve predictability and cross-team coordination.

BRT

November 2013 - January 2016

Agile Team Leader - London

BRT is a multi-award-winning provider of business process outsourcing and bespoke software solutions for wealth managers, independent asset managers, funds, private banks, and trust companies.

- Productized the Stanhope-built platform post-acquisition and rolled it out to BRT clients.
- Delivered a unified data and reporting platform to improve client visibility and accuracy.
- Designed multi-source data ingestion and normalization to support consistent portfolio reporting.
- Automated operational workflows to reduce manual handoffs and errors.
- Shipped a client-facing portal with shared identity, incorporating user feedback to improve onboarding and self-service.

Stanhope Capital

July 2008 - October 2013

Senior Developer - London

Stanhope Capital is a global investment office providing investment management and advisory services to private clients, charities and endowments. Based in London, Geneva, and Jersey, Stanhope is now one of the largest private investment offices in Europe, overseeing 9.5bn+ in assets.

- Implemented APX portfolio management to improve investment operations and reporting.
- Built client reporting and MIS views to surface performance insights.
- Delivered reconciliation and transaction loaders to reduce operational exceptions.
- Integrated Bloomberg pricing to improve data accuracy and timeliness.
- Developed a bespoke OMS to align trade workflows with firm processes.

Bluecrest

July 2006 - July 2008

Associate Middle-Office Derivatives - London

BlueCrest Capital Management Limited (BCML) is an alternative asset management business based in Jersey, managing significant institutional assets across a number of diversified strategies.

- Automated reconciliation and fee workflows to reduce operational risk.
- Automated futures and options expiry processing to ensure timely settlement.
- Built electronic blotter and broker confirmation tooling to improve transparency.

JP Morgan Asset Management

January 2005 - July 2006

Data Analyst - London

J.P. Morgan Asset Management is a leading asset manager for individuals, advisors, and institutions. It is one of the largest asset and wealth managers in the world, with \$1.7T in assets under management.

- Automated static data intake to improve data quality and turnaround time.
- Automated futures reconciliation to reduce breaks and manual effort.

Education

City University

September 2001 - June 2004

BSc Actuarial Science with Honours - London

The BSc (Hons) Actuarial Science degree at City University is the longest-established Actuarial Science degree in England. It offers a sound education in actuarial and financial studies, as well as mathematics, statistics and information technology. The degree involves the application of quantitative skills to problems in finance that normally involve risk or uncertainty.

South East Essex Sixth Form College

September 1999 - June 2001

A-Levels - Benfleet, Essex

Maths [A], Further Maths [B], Physics [B].

References

References available by request.