ANDY VAUGHAN

Cambridge
https://www.linkedin.com/in/avaughan-

A strategic technical leader with twenty-six years' software engineering experience across complex regulated domains including healthcare, aviation, mobile telecoms and retail industries.

Working experience of building, scaling and leading digital product development teams; defining technology strategy and architecture roadmaps to provide clear, long-term direction.

Can install modern software engineering practices spanning idea through delivery, observation and support to decommission.

A calm servant-leader and mentor who strives to help teams do their best work.

Pragmatic and optimistic with a strong focus on execution.

Notable achievements

- Built and delivered GenAI mental health apps to UK clinical trial & NHS providers
- Built a real-time flight tracking tool and deployed to 15 commercial airlines
- Reduced cloud infrastructure costs by ~30% and improved uptime to 99.98%
- Reduced deployment time from weekly to multiple times a day across ieso's service-oriented architecture (SOA) Clinical Delivery Platform
- 96% personnel retention rate (average churn of 2 engineers a year)
- Created a career development framework from scratch for all roles and levels under technology dept.
- Professionally developed engineering managers to take on their own teams

KEY SKILLS

- Commercially focused
- Budgeting and cost management
- Vendor/supplier management
- Governance and compliance (ISO 27001, 9001, 13485)
- Technology strategy & architecture roadmaps
- Building and leading cross-functional product development teams
- Clear written and verbal communication
- Rapidly growing technology teams
- Technical project management
- Recruitment
- Software development lifecycle (SDLC)
- Agile and DevOps methodologies
- Micro-services and distributed systems
- QA expertise
- Building rapport & professional connections

CAREER HISTORY

ieso Digital Health   04/2019 – 08/2024
VP Technology

Brownfield development (re-architecture) of ieso's Clinical Delivery Platform providing text-based and video therapy to ~18,000 NHS patients a year. Developed all-new Class I regulated AI digital therapeutics under regulation (ISO 13485).
Reporting to the Chief AI Officer I was responsible for Engineering, SecOps, IT and Data teams, including budget and regulatory accountability.

- Scaled Technology group from 12 to 50 to meet business needs
- Setting and managing £5.2M budget across engineering, IT and security
- Set-up long-term contract arrangement with development partner in Ukraine (N-iX Ltd.)
- Supported Series C $45 million fundraise
- Technology strategy & architecture roadmap
- Managed feature development for ieso's Clinical Delivery Platform (NHS patients)
- Built and delivered GenAI enabled mental health apps (iOS & Android) to UK clinical trial & NHS providers
- Reduced cloud infrastructure costs by ~30% and improved uptime to 99.98% through process and performance optimisation
- Led a small mobile development team for iOS & Android apps
- Achieved ISO27001, ISO13485, ISO9001
- Installed DORA metrics for quality and tempo indicators

Technologies: Azure, React, Swift, Kotlin, .NET, Terraform, Kubernetes, CosmosDB, SQL Server, LLMs, Azure Data Factory, Synapse Analytics, Looker, PowerBI.

Repositive Ltd.   07/2018 – 04/2019
Scrum Master

Interim job/role to facilitate a time-sensitive move to Cambridge (family).

- Setting up and leading Scrum teams from scratch comprising full-stack developers, QA, bioinformatics, UX, DevOps and Product
- Working with the SLT and Product team to define and deliver value (outcomes)
- Drive to reduce dependencies, make work visible, drive outcomes through sprint goals and foster high-performing teams
- Delivering fortnightly, production-ready increments of the Cancer Models Platform and genomic data-ingestion pipelines

Technologies: GCP, Node.js, Rust, React

Rockwell Collins UK Ltd.   03/2007 – 07/2018
Sr. Engineering Manager

Owned and led development, QA and support & implementation teams in the broader UK
Engineering department.

Providing solutions to global commercial airline customers designed to meet the challenge of
complex datalinks. Delivering end-to-end business processes which connect an aircraft into the
airline enterprise; better decision-making, increases to operational efficiency and improvements to
on-time performance.

- Managed the $2.6m annual operating plan for the Hermes team
- Led procurement for high-profile airline customers (Lufthansa, Southwest)
- Responsible for business development tasks (bids, RFI, RFP, RFQ)
- Software engineering from requirements through to cloud-based and on-prem delivery
- 1st to 3rd line support
- 24/7 emergency cover (incident management)
- Achieved the first Agile Champion status in Rockwell Collins UK, providing Scrum and
  SAFe 4.5 support to local and EuMEA programme teams (France and Germany)

Technologies: AWS, Kinesis Stream, Angular, .NET, Oracle RDBMS

PREVIOUS HISTORY

Vodafone Ltd.   07/2002 – 03/2007
Lead Test Engineer

ADP Ltd. (British Airways)   07/2000 – 07/2002
Lead UAT Engineer

ICL Ltd.   08/1997 – 07/2000
Test Specialist

PROFESSIONAL QUALIFICATIONS

- Certified ScrumMaster® (CSM)
- Certified SAFe® 4 Agilist
- Rockwell Collins Agile Champion
- PRINCE2 Practitioner
- ISTQB Advanced Level Test Manager
- Certified Agile Tester (CAT)

REFERENCES

References are available on request.