

JUSTIN FISH

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★ Highly Commended MCA
Technology Consultant of the Year

★ National Police Chiefs' Council
(NPCC) Award for Agentic Product

★ Claude Certified Architect –
Foundations

PROFILE

- AI Consultant and solution architect with 8+ years of end-to-end experience designing, building, and scaling production AI systems for major Public Sector and Industry clients.
- Demonstrates a unique combination of technical and product skills with business consulting experience to bridge the gap between strategy and execution to deliver innovative solutions.
- Technically fluent across AI architectures, agentic systems, and full-stack development with the commercial instincts and executive communication skills to translate capability into business value.
- Proven track record of embedding with customer teams to translate complex workflows into tangible AI solutions, from idea to production, across GCP, AWS, and Azure.
- Equally capable developing with engineering leads, running C-suite engagements, or architecting multi-model pipelines.

CORE COMPETENCIES

LLM & GenAI Engineering	Agentic Architectures	Cloud Platforms (GCP · AWS · Azure)
Product Strategy & Delivery	Solution & Enterprise Architecture	Stakeholder & C-Suite Engagement
Forward Deployment & Prototyping	AI Governance & Safety	Python · TypeScript · JavaScript

PROFESSIONAL EXPERIENCE

CAPGEMINI INVENT | Senior Managing AI Consultant – Data Science & AI Products

Aug 2021 – Present

Large UK Police Force | Production AI Deployment & Operating Model

- **NPCC Award Winning.** Owned end-to-end technical delivery of a production GenAI FOI Assistant, cutting average case-handling time by 50% and delivering up to £250K in annual cost savings; architected the full solution stack (Azure OpenAI with semantic chunking and hybrid retrieval via Azure AI Search, Cosmos DB for session state, and containerised React/FastAPI microservices). Presented to the Architecture Authority Board to get approval to integrate it within the client's existing Azure estate.
- Designed and implemented an end-to-end product operating model for the force, defining governance structures, acceptance criteria, and repeatable delivery standards from initial concept through scaled production; this model became a reusable playbook for subsequent deployments across the organisation.

Public Sector Innovation Lab | GenAI Centre of Excellence & Production Applications

- Led a team of 15 spanning researchers, service designers, data scientists, and engineers to deliver 14 PoCs and operationalise 4 production solutions; established the lab's operating model, KPIs, agile delivery framework, and vendor partnership strategy. Work recognised directly at Secretary of State and Prime Minister level, requiring regular high-stakes briefings to ministerial stakeholders.
- Designed and shipped the first GenAI application in UK Gov that transformed customer service operations. An LLM pipeline combining multi-step document retrieval, automated vulnerability detection, and real-time Q&A against complex policy documents, engineered with carefully structured prompts, guardrails, and output validation to meet strict public sector safety and compliance requirements.
- Drove organisation-wide GenAI adoption by deploying sandbox environments across leading platforms (GCP, Azure AWS), running 10+ technical Show and Tell sessions, and systematically cataloguing department-wide use cases, enabling the lab to prioritise high-impact initiatives and build a library of reusable AI assets and integration patterns deployed across multiple teams.
- Partnered with Google Cloud, AWS, and Azure account teams to integrate their platform offerings into PoC workflows; managed technical partner relationships, co-developed integration architectures, and served as the primary technical contact bridging cloud vendor capabilities with client requirements.

UK Public Sector Regulatory Body | Technical Discovery to Board-Approved AI Prototype

- Led the full discovery-to-prototype for an AI-powered Digital Regulatory Library aggregating compliance guidance from four UK regulators; conducted 20 moderated user research sessions and stakeholder co-design workshops to define requirements, then scoped and architected the technical solution before leading iterative prototyping through to a board-approved prototype.
- Navigated a complex multi-stakeholder environment (four regulators, procurement, legal, and technical teams) to build consensus around the architecture and gain executive sign-off, while proactively identifying and mitigating AI adoption risk and safety concerns at each stage of delivery.

AI Safety Institute | Responsible AI Strategy & Governance

- Led technology strategy and operations for the UK Government's AI Safety Institute, the body established to evaluate frontier AI models, measure societal impacts, and set standards for responsible deployment; defined the organisation's technology roadmap and instilled enterprise governance structures that improved cross-functional alignment on AI safety research priorities.
- Developed a data strategy enabling data-driven decision-making across finance and talent functions, and advised on responsible AI frameworks for evaluating model safety.

AI Innovation Product Lead | GTM, Patterns & Capability Building

- Led Capgemini Invent's GenAI go-to-market capability, delivering 20+ PoCs across 25+ public and private sector clients; ran technical discovery workshops to identify high-value AI opportunities, shaped solution architectures, and led deals from initial technical qualification through to client sign-off, building the full pre-sales to delivery motion that underpins enterprise AI adoption roles.
- Codified repeatable deployment patterns and reusable technical assets across three GenAI workstreams (knowledge sharing, L&D, and product delivery); these assets reduced time-to-prototype for new client engagements and were adopted by teams across the practice.
- Developed reusable design patterns and integration guidance for Government AI use cases, advising on enterprise architecture, data residency, security controls, and LLM deployment best practices, including context engineering, prompt design, and output validation strategies suited to regulated public sector environments.

PA CONSULTING | Data Science Consultant

Apr 2019 – Aug 2021

- Led a team of 5 data scientists to design, build, and deploy a production ML model predicting patient fall risk for a major healthcare client; architected the end-to-end solution including model training (ensemble classifiers, feature engineering on clinical data) and a Python web application enabling nursing staff to access real-time predictive insights, translating a complex data science output into a tool clinical users could trust and act on.
- Designed and delivered a cloud-based document intelligence pipeline on AWS (S3, Textract, Lambda) to digitise thousands of unstructured government PDF documents; applied NLP techniques including automated text classification, named entity recognition, and extractive summarisation to create a fully searchable structured knowledge base, an early-stage RAG precursor pattern now central to modern enterprise GenAI deployments.
- Applied advanced ML methods (Random Forest, LSTM neural networks) in the energy sector to model telemetry alarm occurrences at critical distribution sites and predict wind turbine equipment failures; enabled preventative maintenance scheduling that reduced operational downtime and identified significant cost savings through optimised field workflows.
- Designed and deployed a user-centric supply chain resilience tool (Agile delivery, multi-sprint) combining automated ML text classification, NLP extraction and summarisation, and geospatial visualisations, embedded directly within the client's data science team and shipped on cloud infrastructure, demonstrating the forward-deployed, co-build model that defines modern enterprise AI engagements.
- Ran a comprehensive NLP-driven customer insight programme for a consumer client, applying topic modelling, sentiment analysis, and scatter text visualisation to large-scale survey data; translated findings into clear executive narratives that shaped product and marketing strategy, building the executive communication and insight-to-action skills central to customer-facing technical roles.
- Improved hospital theatre scheduling by modelling patient flow and applying data-driven forecasting to resource allocation; increased utilisation and reduced patient wait times, an early example of applying AI to complex operational workflows with measurable, human-centred outcomes.

SAV SYSTEMS | Technical Manager & R&D

Feb 2017 – Apr 2019

- Developed billing software for a thermal disconnect system, enabling a new service offering and leading to a joint venture partnership; managed R&D projects coordinating engineering teams and stakeholders.

EDUCATION & CERTIFICATIONS

Education

BEng Mechanical Engineering (Honours) (1st Class)

Stellenbosch University | 2013–2016

Dean's Merit (Top 10%) · Golden Key (Top 15% Engineering)

Certifications & Awards

- Highly Commended MCA Technology Consultant of the Year 2025
- National Police Chiefs' Council (NPCC) Innovation and Digital
- Claude Certified Architect – Foundations (CCA-F)
- Google Cloud Professional Data Engineer
- AWS Certified Solutions Architect – Associate
- AWS Partner: Generative AI Essentials
- Microsoft: Generative AI Solutions with Azure OpenAI
- Databricks Lakehouse Fundamentals
- Professional Scrum Product Owner (PSPO I) · PSM I