



NEURAL ASPECT

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AI/ML

Deep Learning

State Space Models (ETS)

Ensemble methods

Hierarchical Clustering

XAI

Domain-Specific

Tabular Data Analysis

Time series Analysis

Sales & Marketing

Programming Languages

Python

Javascript

Libraries

PyTorch

Captum

Pandas

Numpy

Scikit-Learn

Gareth Davies | Fractional ML Engineer & CTO

I love creating things with technology and have a particular interest in machine learning. I have spent more than 25 years designing, building and supporting large-scale web based applications in a variety of roles and organisations. I was an early adopter of Salesforce CRM and pioneered its use as an application development platform. This experience enabled me to go on and create innovative SaaS applications and platforms with force.com and AWS cloud technologies.

I strive to foster an open culture where ideas are encouraged, and individuals have the freedom to research and develop solutions independently. I believe in maximising resources' time on developing capabilities, minimising activities that do not contribute to this goal. Embracing serverless technologies, infrastructure as code, and a pragmatic, iterative approach to agile development helps create a system where features can be regularly released.

Clear long-term goals are essential, and I collaborate with customers and the rest of the business to create product roadmaps extending at least 12 months. I firmly believe a CTO must be technically capable to provide architectural guidance. Having been an engineer for virtually my entire career, I remain hands-on and take responsibility for the R&D of the product's AI capabilities.

Experience

Neural Aspect

Founder & CEO | Feb 2024 - Present

At Neural Aspect, I leverage my expertise to provide research, development, and consultancy services, helping businesses to take advantage of AI.

Cloudapps | Revenue Intelligence Solutions

CTO & Co-founder | May 2019 - Present

Cloudapps provides an AI-driven Revenue Intelligence SaaS platform for enterprise clients. As CTO, I define product strategy, create roadmaps, lead the technical team and conduct the R&D of the products' AI capabilities.

Key Achievements:

- Successfully delivered a multi-tenanted Revenue Intelligence platform with Sales Forecasting, Deal and Pipeline Health analysis, and real-time Salesforce integration, outperforming Salesforce Einstein. Key clients include Iris and Endress & Hauser.

Cloudapps | Revenue Intelligence Solutions

Principal Architect & Co-founder | November 2009 - May 2019

Led the development of SaaS products, initially as the sole technical resource, then managing and expanding the engineering team..

Key Achievements

- Launched Sensai, a multi-tenanted SaaS platform with predictive AI for business use cases, serving clients like Vodafone.



Cloud Computing

AWS Lambda
AWS S3
AWS DynamoDb
AWS SQS
AWS Kinesis
AWS Cognito
AWS SNS
AWS Step Function
AWS ECS
Docker
Salesforce

Software Development

Design Patterns
SOLID
TDD
Agile
Microservices
Serverless computing

Dev-ops

Git / Github
Serverless stack
AWS Codepipeline

Management

Product Strategy
Roadmap Planning
Talent Recruitment & Retention
Budgeting and Resource Allocation
Cybersecurity
Regulatory Compliance
Business Continuity
Crisis and Risk Management

- Developed Sumo, a Salesforce native app with game mechanics to boost employee engagement, awarded “Innovative Enterprise Product of the Year” at the 2018 National Technology Awards.
- Created Sustainability, a native salesforce application which tracked GHG emissions for a number of large enterprise customers including: Salesforce, Tesco and Veolia. Awarded Gartner “Cool Vendor Product” in 2013. Sold as an asset in 2016 to Thinkstep.

Astadia

Technical Architect | April 2008 - November 2009

Astadia was a Salesforce SI specialising which provided project based engagements specialising in creating custom solutions using the Salesforce platform. As technical architect I was the lead technical resource on any engagement requiring custom development work.

Celerant Consulting

Enterprise Manager | November 2001 - March 2008

Celerant was a global consulting business headquartered in the UK. My initial responsibilities were the development of various internal web based tools related to the operation of the business. I led the implementation of various 3rd party products and pioneered the use of Salesforce as an application development platform.

Australand

VB/ASP Developer | February 2001 - June 2001 (contract)

Developed a web-based financial application to streamline invoice processing for Australand.

Cambridge University Press

Web Developer | 1999 - 2001

Developed web applications to manage sales and distribution of publications..

Education & Certifications

Coursera | Machine Learning | 2018

University of Portsmouth | MSc Microwave Solid State Physics | 1995 - 1996

University of Sussex | BSc (hons) Physics | 1992 - 1995