Tim Nightingale
Analytics Architect

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Profile

The ability to convey information in a manner that is so straightforward that it appears almost natural requires a significant amount of effort. From this we can see the impact well-executed analytics has on our daily lives. The analytical applications should simply become an open door to the information, rather than being a challenge themselves.
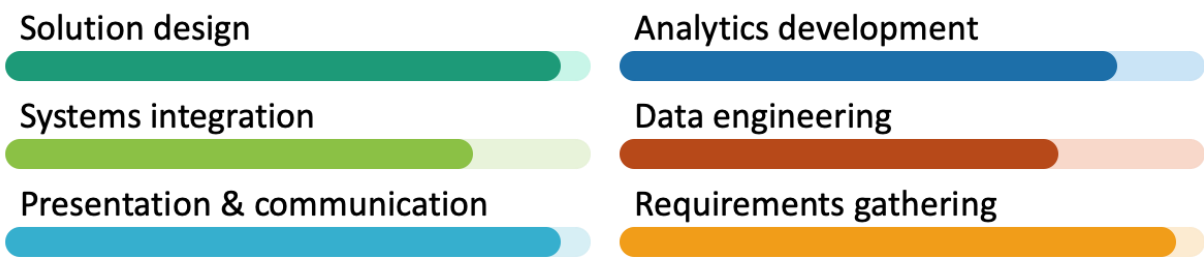
I began my career in the delivery of data and analytics solutions by analysing sales and press room data for regional newspapers many years ago. In the past, calculating performance against targets was a time-consuming process due to the systems and applications that were available. However, the department was able to identify efficiencies that preserved data integrity, which allowed them to allocate more time to other activities and queries.

I also spent a decade managing bars and nightclubs, during which time I was able to analyse sales data in advance of the advances in EPOS systems that we have today. As a result of my ability to comprehend my sales mix and margins within 10 minutes of closing, I was able to optimise promotions, resulting in an increase in gross profit margins.

I have successfully implemented solutions for organisations across all sectors and regions. By maintaining a high level of technological proficiency, I have developed solutions that are both innovative and persuasive.

Embracing the integrated applications enables me to guarantee that design essentials, including authorisation, authentication, data security, and lifecycle management, are integrated from the outset.

I have become a well-known figure at events such as User Group conferences, where I freely share my passion and expertise.

Solution design

Analytics development

Systems integration

Data engineering

Presentation & communication

Requirements gathering

Technologies

SAP Analytics Cloud

SAP BusinessObjects Enterprise

SAP Datasphere & Data Services

Microsoft Azure

Google Cloud Platform

Amazon Web Services

Oracle

Microsoft SQLServer

MySQL & IBM Db2

MongoDB & Databricks

Grafana & InfluxDB

LoRa/LoRaWAN & MQTT

Microsoft Windows

Linux/Unix

Amazon Alexa

Tableau & Power BI

Python and C++

NodeJS & Node-RED

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Career highlights

Below are some highlights delivery successful analytical solutions.

Plant equipment manufacturer

Integrated Amazon Alexa into 20m x 4m videowall dashboard, furthering the natural interaction with VIP customers.

Led a team developing Director level dashboards, designing a multi-faceted filtering interface for fast user-led analysis.

Worked closely with the CIO and BI Management on strategy including upgrades, impact analysis and data management.

UK Government Ministry

Developed a fully digital monthly reporting pack replacing a three-day process.

Designed analytics strategy in line with ministerial policies.

Evaluated newer on-premise and cloud analytical applications with UK data laws.

Implemented analytical security models, lifecycle management process, user provisioning and authentication.

SAP/Business Objects - Global Migration Team

Worked in all elements of migration activities, including product development, training, and marketing.

Liaised with Product Group Managers for future development.

Presented at many User Conferences, Marketing and Customer Events.

Developed public training courses

Worked with strategic customers ensuring successful migration projects.

Developed global best practises and techniques.

Multinational healthcare company

Developed the BICC team with technical and analytical skills to manage the BI Platform.

Performed large scale migrations and upgrades, working closely with SAP Product Managers.

Ensure all authorisation, authentication and lifecycle management processes adhered to strict compliance rules.

The single global analytics platform was used by 86k users and over 270 different projects.

Multinational aerospace and defence company

Created and deployed authentication and security models in line with corporate policies.

Coordinated the platform and infrastructure capabilities for an Executive KPI Dashboard being developed, in conjunction with other suppliers.

Developed and provided training to key personnel ensuring continued success of the project.

Other notable achievements

Developed and reviewed multiple certification examinations.

Became the first partner member of SAP Design Council for Analytics.

Worked with many projects investigating and implementing performance issues.

Designed and developed end-to-end solutions, including data sources, transformation, data modelling, architecture, security, development and deployment.

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Employment

2024

2023

2022

2015

2000

1990

Kern Analytics Ltd | Aug 2023 - present

My own startup delivering analytical solutions. I have been developing with newer technologies and business models, including LoRaWAN, ecommerce and transport logistics, microcontroller design and IoT, MQTT, web application development, document databases, audio visual broadcasting and editing.

Senior Engineering Lead at Capgemini UK | Nov 2022 – Jul 2023

Managed the deployment of a replacement for existing analytical solution with a geo-diverse team for a UK Government customer.

Mentored junior colleagues on solution innovation and inception, prototyping, presentation to internal management teams.

BI Principal Consultant at Mindtree UK | Sep 2015 – Oct 2022

Assisted customers in deploying new applications, including SAP Analytics Cloud, into their existing landscape and BI strategy roadmaps.

Developed innovative solutions combining digital voice assistances, and underlying technology, with large scale dashboards.

Worked closely with sales cycles to bring in new revenue and expand existing clients.

Solution Architect at SAP UK | Jan 2000 – Jul 2015

Providing knowledge transfer both internally and to customers on all aspects of deploying Business Intelligence applications.

Assisting customers in running BICC's and ensuring security model and the BI Life Cycle processes meet company policies and compliance requirements.

Actively worked within a global cross functional team ensuring successful customer migrations the newer platform.

Hospitality & licensed trade industry | 1989 - 1999

Working in all levels of the industry I managed high turnover and profitable premises, winning three national promotions. Understanding the importance of analytics, I transferred into a Head Office role looking after 22 premises.

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Career Experience

Innovation and prototyping.

Analytical applications including SAP Analytics Cloud, SAP BusinessObjects Enterprise and Microsoft Office.

Cloud platforms including Google Cloud Platform, Amazon Web Services, Microsoft Azure and SAP Business Technology Platform.

Team leadership and development.

Thought leadership, workshop facilitation and requirements gathering.

Data modelling, ETL tools and database applications.

Development and presentation of training material.

Authentication, authorisation and security modelling.

Presentation and communication of complex information to diverse audiences with clarity and confidence.

Engagement, communication and presentation to all stakeholders.

Self development and hobbies

In addition, I am always up for learning something new including; PCB design and fabrication, IoT solutions (sensors, communication & data analysis), lock picking, solving puzzles, graphic design, laser engraving and cutting, business management and ecommerce, LED lighting and electronics, cooking, arts and crafts, cyber security