

# Tim Nightingale

**Analytics Architect | Adaptive Innovator**

1timnightingale@gmail.com | [linkedin.com/in/1timnightingale](https://www.linkedin.com/in/1timnightingale)

## PROFESSIONAL SUMMARY

Dedicated and results-driven Analytics Architect with a passion for transforming data into actionable insights. Aiming to leverage expertise in data modelling and analytics solutions to improve business performance. Excited to contribute to a forward-thinking organisation that values innovation and data-driven decision-making.

## PROJECTS

### Plant equipment manufacturer

- Pioneered the development of an interactive, touch-enabled dashboard solution that facilitated in-depth analysis of key service metrics for executive stakeholders during VIP engagements, significantly enhancing the managerial oversight capabilities.
- Facilitated the design and deployment of tailored dashboards for each executive director, leveraging faceted filtering techniques to replace traditional hierarchical data drilling, thereby improving both user experience and informed decision-making processes.
- Strategically integrated a digital voice assistant (Alexa) with an SAP-based dashboard displayed on a substantial 80 sqm 16K screen, resulting in an innovative approach to data access and user interaction, fostering a modernised data culture within the organisation.

### Multinational aerospace and defence company

- Spearheaded the design and deployment of a global dashboard that innovatively transformed 54 KPIs into eight actionable insights, achieved through meticulous data modelling strategies aimed at enhancing user interactivity and system performance.
- Executed comprehensive performance testing strategies that combined automated scripting with real user scenarios, leading to significant performance optimisation by monitoring application responsiveness in tandem with client-side interaction.
- Crafted and rolled out a detailed application security model that complied with stringent export control regulations and user access protocols, facilitating cross-departmental collaboration with suppliers to ensure a smooth implementation process.

### SAP/Business Objects - Global Migration Team

- Engineered and implemented detailed migration protocols, best practices, and instructional resources, which empowered clients to successfully navigate transitions from outdated SAP/Business Objects platforms to the latest technologies, ensuring minimal disruption and maximising operational efficiency.
- Assumed the role of technical lead in a diverse multinational team dedicated to global migrations; provided expert training in migration best practices to consultants in North America, Europe, and Asia, thereby enhancing their skill sets and ensuring project success.
- Actively engaged in promoting knowledge-sharing by delivering impactful presentations at numerous user and partner conferences, while simultaneously ensuring the SAP certification test questions were kept current and relevant in alignment with migration processes.

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### **WORK EXPERIENCE**

#### **Kern Analytics**

*Analytics Architect*

August 2023 - present

- Designed and developed integrated solutions utilising advanced technologies such as LoRaWAN and IoT for various sectors.
- Engineered a field-based monitoring system to track the status of farm gates using LoRaWAN communication, ensuring accurate data transmission and device reliability.
- Implemented innovative data encoding and compression techniques for efficient communications in IoT applications, reducing data payload to 56 bytes per message.

#### **Capgemini UK**

*Senior Engineering Lead*

November 2022 - July 2023

- Led the technical implementation of an innovative analytical product for a UK Government client, coordinating with a diverse team across multiple geographic locations.
- Oversaw project planning, reporting, resource allocation, and budgeting, ensuring alignment with the client's expectations and requirements.
- Provided mentorship to junior engineers on solution design, prototyping, and stakeholder presentations, fostering a culture of innovation and collaboration.

#### **Mindtree UK**

*BI Principal Consultant*

September 2015 - October 2022

- Led the deployment of SAP Analytics Cloud applications, effectively integrating them into clients' existing BI landscapes and strategy roadmaps.
- Facilitated pre-sales activities, emphasising the critical role of data analytics in achieving client objectives, which drove successful solution delivery.
- Developed and implemented innovative digital voice assistance solutions paired with large-scale dashboards, enhancing user experience and decision-making.

#### **SAP UK**

*Solution Architect*

January 2000 - July 2015

- Led initiatives on Business Intelligence applications, providing knowledge transfer to clients and internal teams to enhance deployment effectiveness.
- Developed expertise in key technologies including ETL processes, data modelling, and analytics platforms, contributing to improved system performance and reporting capabilities.
- Collaborated in a global team to ensure seamless customer migrations, while actively participating in product management discussions and tool testing.

#### **Early career**

*Various*

pre January 2000

- Accumulated over 10 years of diverse experience in the hospitality and licensed trade sectors, developing a strong foundation in business management principles and customer service optimisation.
- Demonstrated significant leadership by managing high-turnover venues, earning three prestigious national promotions in recognition of exemplary operational success and team performance.
- Advanced to a Head Office position responsible for data analytics across 22 locations, where I implemented strategic insights that significantly enhanced operational efficiency and profitability.

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## SKILLS

Demonstrated expertise in crafting data analytics architectures using leading cloud platforms such as SAP, Microsoft Azure, and Amazon Web Services, enhancing organisational data strategies.

Solid experience in systems integration and business analysis, effectively utilising business intelligence tools like SAP BusinessObjects, Tableau, and Microsoft Power BI to derive actionable insights from complex datasets.

Proficient in a range of programming languages and database technologies, including Python, C++, NodeJS, as well as SQL and NoSQL databases like MySQL, MongoDB, and IBM Db2, to implement efficient data solutions.

## INTERESTS

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 e-commerce, LED lighting and electronics, cooking, arts and crafts, cyber security.

I also volunteer at a local community theatre where I help manage rotas, and perform varied roles from duty manager to confectionary seller.

I enjoy the outdoors and am often helping my children understand and respect nature, and how we can learn from it. As a teenager I enjoyed orienteering and still have the navigational sense to know how to get back, letting the children lead the way.

I enjoy photography and should undertake it more often. In the past I have experimented with Infra-red and stereoscopic images.