JON-PAUL BOYD

MISSION STATEMENT: I am a multi-skilled SAP HANA technical architect & A.I. engineering postgrad who thrives on delivering tangible, cutting-edge solutions that inform, empower & perform. I help clients solve business challenges fast with strong theory, practical hands-on, clarity of thought and communication.

CAREER HIGHLIGHTS

∞ **We should work together**

2017 Postgraduate MSc Intelligent Systems, De Montfort University, UK
All modules complete – Research Methods (96%), Applied Computational Intelligence (88%), A.I. Programming (80%), Data Mining (80%), Neural Networks (80%), Fuzzy Logic (94%), Mobile Robots (97%), Computational Intelligence Optimization (100%). Academic papers with hands-on development on augmented analytics, NLP with Python & NLTK context-free grammars for natural language to formal SQL for database query, predicting customer behaviour with tree-based classifiers, predicting cardiovascular disease, evaluation of biomass with neural networks, classification of computer network activity (intrusion, attack or normal) with neural networks, classification of breast cancer tumours with fuzzy inference system, virtual search & rescue robot controlled via Python API, design and build of Hyper-heuristic Optimization Platform. Extensive Python hands-on experience with data profiling & preparation, unsupervised & supervised machine learning, overfitting protection, hyperparameter tuning, model scoring, evaluation, selection and deployment. MSc project building cloud-hosted medical research cockpit for knowledge discovery, summarization, topic classification and clustering etc for best-informed next stage research actions, using COVID-19 literature as unstructured data sources. Discovered through research why enterprise needs to build stronger partnerships with academia.

2014 Nestle Independent SAP HANA Technical Architect (Master Data)
Technical lead, inspiring & energizing team of 5 implementing a groundbreaking first HANA based operational analytic reporting solution supporting 3000 users. Led 5 HANA major revision upgrades and migration of analytics to embedded NetWeaver/HANA dual stack. Extensive experience of XS-Classic and XS-Advanced with modelling, Fiori, SQLScript, XSJS, Node.js, security, performance tracing, optimisation, extensions. Proposed and developed automated tool for analytic privileges build and assign, and performance testing tool measuring view query runtimes vs KPIs. Configured HANA workload management, HALM, HRF. Major contributor to Nestle HANA Development best practices. Daily liaison with Nestle and SAP partners, including presentation to management, key users, technical and product teams. Learned I'm still hungry for technical challenges.

2014 Bluefin Solutions SAP HANA Technical Architect
Helping BAT realise Gartner's "Logical Data Warehouse" concept. Implemented HANA SDA for data federation, HANA Live for reporting speed to market. Developed P&L with sub-second performance (legacy 2m10s), Learned trust won on transparency and keeping promises whatever it takes goes a long way.

2013 HANA Propulsion Laboratory SAP HANA Technical Architect
Engineered remote piloted vehicle with real time telemetry to HANA and real time vehicle control via openUI5 browser cockpit. HANA data mining for game analytics, implementing achievement and reward system tied to mission objectives and pilot behaviour. Learned benefits of deep and wide research.

2010 Nestle SAP Web Dynpro ABAP Consultant
Brought a sophisticated recipe change document concept to life with UI design driven by principles of simplicity, familiarity and customisation. Learned greater self-belief and improved interpersonal skills through value of learning from others.

2008 Belgian Railways SAP ABAP Consultant
Natural team-lead expertise successfully delivered a Warehouse Management project. Learned love of OO programming and software in physical systems.

2000 Cap Gemini SAP ABAP Consultant
Support and on-site consulting. Innovated systems integration monitoring dashboard. Learned rewards of coaching juniors.

TOOLKIT

Back Python, Pandas, Numpy, Scikit-Learn, Keras, NLTK, Flask, Apache Spark, R, ELK (Elasticsearch stack), MongoDB
Front ReactJS
OS Linux, Windows 10
SAP HANA modelling, XS, XSA, HANA security model, HALM, SDA, optimisation (models/database/workload management), SAP Fiori, JavaScript, ABAP, WDA
Other AWS, MS Azure, Docker, Git, GitLab (CI/CD), Jira, Slack, SAS

PRAISE

"Tech savvy, experienced, meticulous, committed, dependable, ingenious and eager to learn even more"
Rudi Dutli, Principal, Infosys Lodestone

"Takes pride in his work which results in products that are super polished"
John Scheuring, SAP HR Specialist, Nestle

"Builds a comprehensive and passionate understanding of the architectures and frameworks involved, educating and inspiring teams and co-workers in the process. A real flair for challenging, on-the-edge development"
Trond Stroemme, Team Lead, SAP Application Technology Expertise Centre, Nestle

"phenomenal editorial & technical resource"
Emily Nicholls, Associate Acquisitions Editor, Galileo Press

"Working with Jon-Paul is a real pleasure because he can work independently, manage teams, coordinate work and has a great team spirit"
Yoeri Olbrechts, Platform Manager, Belgian Railways

"An expert in his domain and a great team player. His proactive attitude, his passion to learn and focus on results with optimal quality are outstanding"
Norbert Rignall, Master Data Solution Architect, Nestle

"Exceeded the scope of a HANA proof of concept whilst rapidly educating team. Genuinely makes an impact"
Jon Veness, Enterprise Architect, British American Tobacco

"Delivered to a very high level of quality. I'm not sure I have ever worked with someone so conscientious"
Matt Harper, Delivery Manager, Bluefin Solutions

"Incredible commitment & ability to self-learn things quickly, always in mind the big picture"
Alessandro Sabidussi, Partner Business Development Specialist, SAP

"Challenges ways of working to find better solutions. Takes a step back & looks for useful solutions in high stress situations"
Isabelle Caraux-Lambert, Team Lead, Nestle

COURSES

MSc Intelligent Systems
Udemy Machine Learning A-Z Hands-On Python
Udemy Apache Spark with Python
Udemy Spark & Python for Big Data with PySpark
Udemy Docker Mastery
OpenSAP HANA Software Development
OpenSAP S/4HANA Deep Dive
HA300E HANA Implementation & Modelling
HA350E HANA Data Provisioning

STATS

24 Years professional software development

13 Years SAP ABAP development

5 Years SAP HANA development

4 Machine learning courses completed

36 International companies provided with expertise

12 Number of times independent consulting contract extended

1.... Individual passionate about delivering client centric excellence

AWARDS

HANA Distinguished Engineer & Certified App Associate
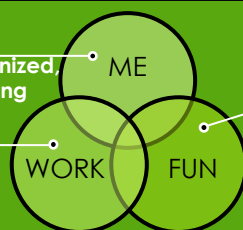
Microsoft Certified Azure Fundamentals

AWS Certified Cloud Practitioner

WEB: corticalstack.ai   **LINKEDIN**: linkedin.com/in/jonpaulboyd   **GITHUB**: github.com/corticalstack

JP
curious, passionate, energetic, considerate, organized, forthright, determined, communicator, nature loving

Technical Architect & Engineer
learning, understanding, empathising, innovating, solving, collaborating, improving, delivering, communicating, organising, teaching

ME · WORK · FUN

Hobbies, Interests, Sources of Joy
kitesurfing, snowboarding, stand-up paddling, trekking, wilderness, photography, music, kaggler, building intelligent robots, quality time with family

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