

VINCENT DOH

Digitalization Manager

Digitalization Manager | Industry 4.0 | Automation | Data & Industrial Technology Transformation

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PROFESSIONAL SUMMARY

Innovative Digitalization & Industrial Technology Leader with 7+ years of experience driving Industry 4.0 transformation, factory automation, and data-driven operational excellence across manufacturing and FMCG environments. Proven track record implementing IoT, Cyber-Physical Systems, AI/ML, Cloud, Industrial IT, and Big Data Analytics to optimize production, increase productivity, and improve product quality. Expert at leading cross-functional engineering, IT, and operations teams through transformation—establishing robust data systems, automating workflows, and driving change management. Adept at using platforms like SAP S4 HANA, Salesforce CRM, and FlexiCapture SDK. Strong leadership, communication, and project management skills with a passion for advancing digital maturity and building modern industrial landscapes.

EDUCATION / CERTIFICATION

Institute of Management, Technology and Finance (MFT)

MFT Online 04.2023 - 05.2024

Mini MBA - Innovations and Digital Transformation

Harvard University

Harvard Online, USA. 2021-2023

Data Science: Machine Learning

Learning Excel: Data Analysis - LinkedIn Learning

https://www.linkedin.com/learning/certificates/ef2348f53ad7e1ad74b0d33dd88a8a6b16f0722488b3e5c4283fbaa83890d09e?trk=share_certificate

TECHNICAL SKILLS

Tools & Technologies: SAP S4 HANA, Salesforce CRM, FlexiCapture SDK, PLC Systems, SCADA, IoT Platforms, Industrial Software Suites, Python, SQL, Cloud Services (AWS/Azure), Power BI/Tableau, Git, Jira, Agile tools.

Programming Languages: Python, Shell, Bash, SQL

Automation & AI: Industrial Automation (PLC, SCADA, DCS), Cyber-Physical Systems, Robotics Integration, IoT Sensor Architecture, Predictive Maintenance (AI/ML), Automated Quality Control, Smart Manufacturing Systems.

CORE SKILLS & COMPETENCIES

Digitalization & Industry 4.0

- IoT (Internet of Things) Integration
- Cyber-Physical & Smart Manufacturing Systems
- Industrial Automation & SCADA Systems
- AI, Predictive Analytics & Machine Learning
- Cloud-based Industrial Solutions

Engineering & Technology Leadership

- Factory Automation (PLC, Sensors, Instrumentation)
- Industrial IT & Operational Technology (OT)
- Manufacturing Efficiency Optimization
- Lean Operations & Continuous Improvement

Data & Systems

- SAP S4 HANA, Salesforce CRM
- FlexiCapture SDK, ERP & MES Systems
- Big Data Analytics & Real-time Monitoring
- Data Governance, Pipelines & Architecture

Professional & Leadership

- Project Management (Agile/Waterfall)
- Team Leadership & Change Management
- Stakeholder Management & Communication
- Cross-functional Collaboration
- Strategic Planning & Execution

PROFESSIONAL EXPERIENCE

Digital Transformation / Engineering & Automation Lead

Self Employed — Accra, Ghana

2018 – Present

- Led full-scale **Industry 4.0 modernization projects**, integrating IoT sensors, automated control systems, and real-time data analytics across production lines.
- Implemented digital workflows that increased **production efficiency by up to 30%** and reduced equipment downtime by **25%** through predictive maintenance.
- Directed cross-functional teams in deploying **cyber-physical systems** to improve product traceability, quality control, and operational visibility.
- Established enterprise-wide **data collection and classification frameworks**, enabling data-driven decision support and KPI monitoring.
- Managed end-to-end integration of **SAP S4 HANA** for operations planning and **Salesforce CRM** for customer-facing workflows.
- Strengthened industrial IT infrastructure by implementing secure, scalable cloud-based architecture for factory operations.
- Championed organizational change programs promoting innovation, digital adoption, and continuous improvement.
- Worked closely with engineering, supply chain, and IT teams to align digital initiatives with business goals and shareholder priorities.

Business Intelligence Analyst

Ingco Ghana

Hybrid – Accra. 2023 – 2025

- Analyzed large sets of operational data to uncover inefficiencies and drive data-backed improvements in production workflows.
- Created automated reporting dashboards for performance monitoring using BI tools, ERP, and cloud systems.
- Supported the development of data architectures and internal tools for data acquisition, storage, and analysis.

Risk Hub Junior Analyst Intern

Mastercard

Remote, USA. Nov 2022

- Assisted in developing 2+ risk models, supporting risk identification and reducing assessment time by 15%.
- Analyzed 100+ data sets, identifying risk patterns and delivering actionable insights to senior management.
- Monitored and reported on 5+ key risk indicators (KRIs), improving the accuracy of risk detection by 20%.
- Researched and identified emerging risks, presenting findings to the team, helping the company stay ahead of regulatory and financial risks.
- Enhanced security awareness programs by applying AI to analyze threats, leading to a 35% improvement in threat detection rates and a 20% decrease in security incidents.

Computer Support Specialist | System Admin

KenTech IT Solutions

Accra, 2017 - 2021

- I provided support for computer and office technology life cycle.
- I investigated troubleshoot issues, consistently exceeding the team's timeline expectations with swift and efficient case resolutions.

PROJECT HIGHLIGHTS

- **Factory Digital Twin Implementation:** Built a real-time digital replica of key production processes to support simulation, maintenance planning, and optimization.
- **Predictive Maintenance System:** Deployed IoT sensors + AI analytics to reduce machine breakdowns by over 20%.
- **Paperless Operations Program:** Automated documentation processes, reducing errors and saving 15+ hours/week.