Olusegun A. Adesina, Pipeline Engineer

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PROFILE

A well-motivated and enthusiastic Engineer of UK / Nigerian nationality, seeking to be part of a dynamic Engineering Company where I would be able to contribute my quota in achieving remarkable goals in your reputable organisation

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EMPLOYMENT HISTORY

Sep 2018

Pipeline modelling and leak noise simulation research Engineer,- University of Southampton
Southampton, United Kingdom

I carry out research on fluid pipeline leaks where I investigate mechanisms responsible for leak noise generation with the aim of providing useful information that can improve the efficiency of leak detection. I also model fluid pipes and perform steady-state and transient numerical simulations to obtain useful data to solve real world challenges. I use numerical simulation data to characterise leaks and to understand its relationship and variation with leak size, pipe size, pipe material, mean leak velocity, and leak flow rate.

Dec 2012 — Aug 2018

Senior Petroleum Engineer, Balms Energy Limited
London, United Kingdom

I was part of a team responsible for modelling oil and gas reservoirs so as to optimise production and enhance recovery using state-of -the-art software.

I lead a team that rendered consultancy services on oil and gas asset explorations and developments, including marginal fields assessments.

I also had the opportunity to train and develop upcoming Engineers.

Dec 2005 — Dec 2010

Field Geologist, CrystalGate Geophysical Services
Lagos, Nigeria

Worked as part of a team responsible for carrying out geophysical survey for water resources development in Nigeria where I monitored and supervised water borehole drilling operations at various sites in the region. I provided recommendations on facility designs and installations for optimum water development, production and rehabilitation.

EDUCATION

Sep 2018 — Sep 2023

PhD Candidate - Pipeline modelling and simulation for leak noise generation, detection and characterisation.
University of Southampton, United Kingdom

Sep 2011 — Sep 2012

M.Sc. Petroleum Engineering, London South Bank University
City of London, United Kingdom

Sep 1996 — May 2000

B.Sc. Geology, University of Ibadan
City of Ibadan, Nigeria.

SKILLS

Numerical modelling and simulation (Steady-State / Transient) of pipes and leaks	Experienced	MATLAB products	Experienced
		HPC supercomputing	Skillful
Acoustic leak detection methods	Experienced	Aspen HYSYS process design and simulation software	Skillful
Ansys products	Experienced		

INTERNSHIPS

May 2020 — May 2020

Leak detection, Portsmouth Water.
United Kingdom

COURSES

Pipeline leak detection, PTC, Berlin, Germany.