

# Olusegun A. Adesina, Pipeline Engineer

City of London, United Kingdom, +44 (0) 7506917661, oadesina2@gmail.com

## 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

## EMPLOYMENT HISTORY

Sep 2018	<b>Pipeline modelling and leak noise simulation research Engineer,- University of Southampton</b>	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	<b>Senior Petroleum Engineer, Balms Energy Limited</b>	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	<b>Field Geologist, CrystalGate Geophysical Services</b>	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	<b>PhD Candidate - Pipeline modelling and simulation for leak noise generation, detection and characterisation.</b>	University of Southampton, United Kingdom
Sep 2011 — Sep 2012	<b>M.Sc. Petroleum Engineering, London South Bank University</b>	City of London, United Kingdom
Sep 1996 — May 2000	<b>B.Sc. Geology, University of Ibadan</b>	City of Ibadan, Nigeria.

## SKILLS

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

## INTERNSHIPS

May 2020 — May 2020	<b>Leak detection, Portsmouth Water.</b>	United Kingdom
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## COURSES

**Pipeline modelling for leak detection , PSIG 2023**