

Jose Araméndiz

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Home Address

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Summary Solution-driven Petroleum Engineer with 10+ years of upstream experience. Skilled in drilling operations, BHA design, fluids, subsurface tools, real-time optimization, and project coordination. Passionate about advancing geothermal energy and reducing the environmental footprint of Oil & Gas through innovative, cost-efficient solutions that enhance safety, efficiency, and profitability.

Key Skills

- Operations Management	- Research and Analysis	- Project design
- Presentation Skills	- Coaching and Mentoring	- Quality Control Analysis

Education	University of Oklahoma (Norman, OK, USA)	Expected Graduation 2027
	Ph.D. Petroleum Engineering	
	Missouri University of Science and Technology (Rolla, MO, USA)	December 2018
	M. S. Petroleum Engineering	
	Universidad Industrial de Santander (Bucaramanga, Colombia)	March 2008
	B. S. Petroleum Engineering	

Experience	University of Oklahoma	Norman, Oklahoma
	Graduate Research Assistant	8/2023 – Current
	<ul style="list-style-type: none">• Researched and evaluated HTHP completion tools as potential isolation solutions, collaborating across teams on long-term tests and leveraging 3D printing to accelerate design, analysis, and sustainable tool development	

	National Oilwell Varco (NOV)	Bogotá, Colombia
	Technical and Sales Representative	5/2022 – 08/2023
	<ul style="list-style-type: none">• Advanced sales and technical efforts for NOV's M/D Totco unit by promoting cutting-edge drilling and completions solutions to improve safety, reduce costs and time, and minimize environmental impact; leveraged data analysis and field evaluations to enhance drilling performance and deliver value to clients.	

	TIP – ECOPETROL S.A.	Bogotá, Colombia
	Technical Specialist Engineer	5/2021 – 12/2021
	<ul style="list-style-type: none">• Supported Ecopetrol's Innovation and Technical Division in evaluating and developing geothermal projects in Colombia, focusing on drilling fluids and downhole tool technologies, including design analysis, performance advantages, and operational limitations	

	Geolog Americas Inc.	Houston, Texas
	Surface Logging Engineer	7/2019 – 5/2020
	<ul style="list-style-type: none">• Supported mudlogging operations in the Permian Basin by analyzing geological samples to identify formation tops, structural changes, and hydrocarbon shows; evaluated real-time drilling data to detect wellbore instability or gas influx, ensuring safe operations and delivering accurate mud log reports.	

	Missouri S&T - Department of Petroleum Engineering Rolla, Missouri	
	Research Volunteer – Drilling Fluids and Nanoparticles	10/2018 – 07/2019
	Graduate Teaching Assistant - Drilling and Well Design	08/2017 – 12/2017

	Antonoil International	Bogotá, Colombia
	Directional Drilling Coordinator Engineer	01/2016 – 07/2016
	<ul style="list-style-type: none">• Led 24 engineers and managed up to 8 rigs, executing 50+ well campaigns while engaging clients and opening business opportunities in X-River drilling operations.	

Antonoil International Bogotá, Colombia
Field Directional Drilling Engineer 09/2014 - 01/2016

- Guided directional drilling operations (3,000–8,000 ft MD, 6-ft radius) to achieve client targets, optimized performance through wellbore evaluations and drilling parameter analysis, and served as Field Coordinator liaising with clients and headquarters while managing DD/MWD engineer schedules.

Weatherford Bogotá, Colombia
Field Directional Drilling Engineer 12/2011 - 09/2014

- Provided on-site technical support for directional drilling operations (3,000–18,000 ft MD), with expertise in conventional, high-flow, and short-bit-to-bend motors, AGS, agitators, and LWD assemblies across diverse well profiles; analyzed real-time drilling parameters, enforced anti-collision protocols, and made critical decisions to ensure reliability and performance.

Baker Hughes Bogotá, Colombia
Field Drilling Fluids Engineer 06/2008 – 12/2011

- Prepared, maintained, and optimized drilling and completion fluids for operations including displacements, cementing, fluid loss control, and hole cleaning; predicted hydraulic behavior and provided recommendations to enhance performance and reduce NPT; ensured safe fluid-mixing practices and managed inventory to improve efficiency and profitability.

PC World Oil -HOCOL S.A. Bogotá, Colombia
Drilling Supervisor Assistant 04/2008 – 06/2008

- Managed daily drilling databases and coordinated equipment, materials, and personnel while reviewing AFEs; ensured HSE compliance, prepared and submitted government well documentation, and supervised rig and equipment mobilizations between locations

Other Skills Technologies and Methodologies

- Compass & Well Plan (Halliburton)	- Ansys mechanical	- Fusion 360
- Bambu 3D	- Openwells	- Rigsense NOV

Languages - Spanish: Native language - English: Proficient - Portuguese: Intermediate

Certificates Professional Certificate in Data Science (HarvardEDX) and Project Management (EAN-Colombia)

Awards DOE Geothermal Collegiate Competition – **National Champion (Technical Track, 2023)**: Design for Sustainable Greenhouse Heating and Cooling Using Geothermal Energy in the Osage Nation, supporting native food sovereignty in Pawhuska, Oklahoma.

DOE Geothermal Collegiate Competition – **2nd Place (Technical Track, 2024)**: Integrating Geothermal RTES with Solar for Energy Independence in a Small District of the Pawnee Tribal Nation.

Geothermal Rising Student Travel Scholarship – 2025

Colombian OU Alumni Association (COUAA) Scholarship – 2025

Publication <https://scholar.google.com/citations?user=6chfN2oAAAAJ&hl=en>