

# Cover letter

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**Subject: Interested in Oil & Gas Engineering – Mechanical Background**

08/23/25

Dear Hiring Team,

I am Isaiah Fernandes and an aggie engineer with a background in Pipeline Engineering, Mechanical Engineering, Data Engineering, Multiphase Pumping, and Oil & Gas Engineering. I am reaching out to express my keen interest in contributing to your engineering efforts.

My experience spans pipeline processing, multiphase boosting and pipeline simulations backed by research that will contribute to improving oil production rates by up to 20% (OTC-35905-MS). I have worked across project design, simulation, optimization, particularly in the upstream and midstream oil production. I bring hands-on knowledge in utilizing engineering softwares (CFD, FEA and AutoCAD) and a proven ability to support both detailed engineering and field execution.

I am also a data engineer with a machine learning background, working on integrating AI and machine learning into optimizing engineering workflows. Leveraging my strong technical foundation, I rapidly adapted and applied machine learning to drive operational efficiency, demonstrating a forward-thinking approach to innovation.

I hold a couple engineering project management certifications to complement my technical skills and have managed cross-functional engineering projects, led teams, and collaborated with the industry on EPC deliverables aligning well with your focus.

Looking forward to the opportunity of discussing how my background, skills, and enthusiasm align with the needs of your team. I have attached my resume for your reference, and I would be grateful for the chance to connect further.

Thank you for your time and consideration.

Warm Regards,

A handwritten signature in black ink, appearing to read 'Isaiah Fernandes', with a stylized flourish at the end.

Isaiah Fernandes

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