MICHAEL AKALU

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🔗 [Bold Profile](#)

PROFESSIONAL SUMMARY

Results-driven Civil Engineer and Certified Data Analyst with expertise in structural analysis, geotechnical assessments, and construction planning.

SKILLS

- Structural design
- Project management
- Abaqus
- Excel
- MATLAB
- Python
- Tableau

- AutoCAD
- SACS
- Plaxis 2D/3D
- DeepSoil
- R Studio
- SQL
- Data cleaning and Data Visualization

WORK HISTORY

OFFSHORE STRUCTURAL AND GEOTECHNICAL ENGINEER
06/2024 to CURRENT

Saipem S.p.A (on Behalf of ++39 Srl) | Fano, Marches, Italy

Neptun Project
- Designed offshore subsea structures using SACS and Abaqus, ensuring optimal structural integrity and adherence to project specifications and industry standards

GEOTECHNICAL ENGINEER
09/2023 to 06/2024

Jan De Nul | Abu Dhabi, UAE

Al Omairah Project (Lower Zakum Field), Abu Dhabi, U.A.E
- Collaborated closely with the Ground Improvement team to develop comprehensive Method Statements for ground improvement and related activities
- Led on-site monitoring and strategic planning for Ground Improvement areas, ensuring effective execution and compliance with project goals
- Managed the planning and execution of testing procedures, with diligent follow-up on related raw data for quality assurance

GEOTECHNICAL ENGINEER - FREELANCE
08/2022 to 07/2023

Pangea Geotechnical and Engineering Group | Milan, Italy

- Conducted geotechnical studies and laboratory analyses to evaluate soil properties, providing essential data for project design and implementation
- Proficient in Finite Element Analysis (FEA) using Plaxis2D for

assessing structural integrity and ensuring design robustness

PROJECT ENGINEER-INTERN   *08/2022 to 07/2023*

SV.EN srls | Milan, Italy

- Engaged in the110% Ecobonus Project, focusing on enhancing energy efficiency ratings and mitigating seismic risks
- Orchestrated workflow schedules and plans, ensuring adherence to project timelines and executing tasks accordingly
- Analyzed the Bill of Quantity to confirm accurate resource allocation and outcome, ensuring project viability and cost-effectiveness

RESIDENT ENGINEER   *07/2018 to 09/2019*

Yema Architecture P.L.C | Addis Ababa, Ethiopia

- Supervised2B+ G+7 the entire project lifecycle, ensuring smooth operations from initiation to completion
- Conducted rigorous site inspections to guarantee adherence to design specifications and quality control measures
- Utilized expertise to estimate costs accurately, forecasting expenses for materials, labor, and equipment required for the project

SITE ENGINEER   *08/2017 to 12/2017*

Yared Teklemedhin General Contractor | Addis Ababa, Ethiopia

- Oversaw quality control and health and safety matters for construction teams.
- Coordinated with subcontractors ensuring their work met project specifications as well as monitored their progress towards completion deadlines.

EDUCATION

M.Sc. | Civil Engineering (Major Geotechnics)   *07/2023*
Politecnico Di Milano, Milan

Bachelor | Civil Engineering   *06/2017*
Addis Ababa University, Addis Ababa

Certificate | Google Data Analytics Certificate   *01/2025*
Coursera 2021, KC Community College, Central, IL 2018

CERTIFICATIONS & COURSES

- BOSIET (Basic Offshore Safety Induction and Emergency Training)
- Work Management System (WMS)
- Basic H2S Training
- Travel Safely by Boat (TSb)
- Machine Learning with MATLAB
- Honor of Great Distinction

LANGUAGES

English - Advanced   Italian - Elementary