DIEGO GUEVARA

ELECTROMECHANICAL ENG. FULL STACK DEVELOPER

ABOUT ME

Electromechanical engineer with a Master's completed coursework in Renewable Energies and a deep academic focus on power generation systems, particularly solar PV and wind energy with over four years of professional experience as a multidisciplinary drafter (mechanical, electrical, and piping) in mining consulting projects.

Recently completed freeCodeCamp's legacy full-stack curriculum (HTML/CSS, JavaScript, React, Node.js, Express, MongoDB & willing to learn more), now seeking a full-stack, front-end, or back-end role where I can combine rigorous analytical thinking, energy-sector expertise, and modern JavaScript skills to deliver robust, high-impact applications.

WORK EXPERIENCE

Drafter in Metallurgy Area

Autoprocesos S.A.C. 2023-2024

Prepared process flow diagrams (PFDs) at basic engineering level for the Colquisiri mining unit capacity expansion to 2,100 tpd.

Drafter in Electrical and Metallurgy Area

GEMIN Associates, 2019 - 2022

Produced single-line diagrams, power & control systems, grounding, and lighting designs (electrical discipline) and complete process flow diagrams for all metallurgical areas. Contributed at basic and detailed engineering stages for concentrator plant projects: Sumaq Rumi, Antapite, Morococha, and Huarón.

Drafter in Instrumentation Area

Environmental Science Engineering & Gis S.R.L - Escegis, 2018 - 2019

Developed P&ID diagrams, instrument layouts, architectural plans, and control diagrams at basic engineering level for El Porvenir mining unit expansion.

EDUCATION

Master's in Renewable Energies
Universidad Europea de Madrid (2023-2024)
Coursework Completed (Thesis Pending)

Professional Title of Electromechanical Engineer
Universidad Tecnológica del Perú (2022 - 2023)

Bachelor's Degree of Electromechanical Engineering
Universidad Tecnológica del Perú (2017- 2022)

Bachelor's Degree of Electronic Engineering
Universidad Nacional del Callao (2015- 2016)
Completed to 4th Semester

CERTIFICATES

TypeScript Basics
simplilearn - SkillUp

Quality Assurance
freeCodeCamp

Back End Development & APIs
freeCodeCamp

Data Visualization
freeCodeCamp

Front End Development Libraries
freeCodeCamp

JavaScript Algorithms and Data Structures
freeCodeCamp

Responsive Web Design
freeCodeCamp

Power BI Course
Idat

STACK

Languages
- HTML5
- CSS3
- JavaScript
- TypeScript

Tools & Platforms
- Git & Github
- VS Code
- npm
- NASA Power API
- Google Cloud APIs & Services

Frameworks & Libraries
- jQuery
- Express
- Sass
- React
- Redux
- React-Redux
- D3
- Node.js
- Express
- Mongoose
- Chai

ENGINEERING

Areas of Expertise
- Automation and Control
- Electricity Grid
- Metallurgical Process
- Power Stations
- Renewable Energies

Engineering Tools
- AutoCAD
- AutoCAD Plant 3D
- Inventor
- PVSyst
- WAsP
- Windographer