

SILVIA BARBOSA

SENIOR ENVIRONMENTAL ENGINEER | WATER RESOURCES SPECIALIST

(415) 800-4972 | silviabarbosa@gmail.com | San Francisco, CA | in/silviahbarbosa

Trilingual English-Spanish-Portuguese senior environmental engineer with 15+ years of experience in water and waste management, I offer hands-on experience with national and international regulations following ISO 9001/14001 standards. My organizational and communication skills enabled me to work in fast-paced companies, ensuring licensing and complex reports were delivered in a timely manner. Moving forward, I look for an opportunity to contribute to economic vitality while balancing infrastructure needs and environmental stewardship.

CAREER HIGHLIGHTS

SENIOR ENVIRONMENTAL ENGINEER

Empresa Baiana de Aguas e Saneamento S.A., Brazil | 10/2013 - Current

Governmental Agency that provides potable water to over 13mn people and wastewater collection and treatment services to more than 5mn people in Brazil's Bahia state.

- Audit 10 projects/month to verify compliance with state EHS regulations, following ISO 9001 and 14001 standards, meeting deadlines, and keeping data organized.
- Monitor water and sanitary sewage services of 7 regional unities with trimestral meetings with a team of 7 engineers to check data, notifying procedures when necessary.
- Elaborated City Plan of Basic Sanitation Services of 6 municipalities.
- Perform as Vice President of the Internal Committee for Disasters Prevention (EHS) & Secretary of the company's Equity Commission (ESG).
- Negotiate Bahia Municipalities Cooperation Agreements within Federated Entities.

ENVIRONMENTAL ENGINEER

Beck de Souza Engenharia Ltda., Brazil | 08/2012 - 02/2013

Floram Engenharia e Meio Ambiente, Brazil | 04/2012 - 08/2012

- Elaborated protocol for obtaining environmental licenses in projects of R\$+8mn Brazilian reais.
- Managed the water management program, ensuring compliance with environmental regulations
- Visited projects to assess factors influencing EHS permitting and licensing, monitoring, and recording water management data.
- Elaborated reports on environmental processes to obtain licenses for fishing and other activities.
- Supervised licencing process to psiculture industry.

ENVIRONMENTAL ANALYST

AGB Peixe Vivo, Brazil | 07/2011 - 03/2012

JM Engenheiros Consultores, Brazil | 09/2009 - 06-2011

- Monitored projects to revitalize the longest river in Brazil, participating in meetings to identify any conflict and report corrective and preventive measures.
- Managed conflict interests among government, civil society, and water users in order to operate, protect and sustainably develop the Sao Francisco river basin's water resources.
- Delivered technical support to the Environment Department of Codevasf 5th SR Penedo/ AL;
- Analyzed opinions in Licensing Processes and Environmental Regularization through Environmental Studies related to the administrative processes of regularization;

ENVIRONMENTAL ANALYST

Topazio Imperial Mineiracao, Brazil | 08/2007 - 02/2009

- Elaborated biannual reports of atmospheric emissions, solid residues, air, soil, and liquid residues sent to the environmental agencies, informing any corrective procedure implemented.
- Supported the elaboration of Environmental Impact Studies (EIA), Environmental Impact Report (RIMA), Environmental Control Plan (PCA), Environmental Control Report (RCA), and Degraded Areas Recovery Plan (PRAD).

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CAREER HIGHLIGHTS (CONTINUED)

ENVIRONMENTAL ENGINEER

ISB –Intelligent Systems for Business & Universidade Federal de Ouro Preto, Brazil | 05/2006 - 06/2007

- Contacted the IBS to establish a partnership in elaborating software for Environmental Management in compliance with federal legislation.
- Mapped solid waste data from steel industries as well as federal, state, and city regulations to be part of a software database.

ENVIRONMENTAL COORDINATOR

RESICOM Resíduos Industriais, Brazil | 12/2005 - 04/2006

- Led a team of 4 people to elaborate company's industrial waste segment.
- Assisted to devise training materials for team members and interns.
- Implemented the company's waste management system following ISO 9001/14001 and environmental best practices.

EDUCATION

PHD in Geography (Environmental Studies)

*Universidade Federal da Bahia, POSGEO - Brazil
Doctoral student (currently enrolled)*

MS in Professional Management and Water Resources Regulations

Universidade Federal da Bahia, Brazil | 2023

Post-Baccalaureate in Environmental Projects Elaboration and Management for Water Resources

Instituto Federal do Ceara, Brazil | 2018

B.S. in Environmental Engineering

Universidade Federal de Ouro Preto, Brazil | 2005

CERTIFICATIONS

- Introduction to Environmental Law | 2021
- Water Losses Management and Energy Efficiency | 2019
- Waste Management of Water Supply and Sanitary Sewage Systems | 2018
- Alignment and Interpretation of ISO 9001/2015, 14001:2015 and OHSAS 18001:2007 | 2017
- Internal Auditor ISO 9001:2015 and ISO 14001:2015 | 2016

CORE SKILLS

- Water Resources
- EHS Management
- ISO 14001/9001 & OSHA
- State and Federal environmental agencies reports
- Environmental permitting & compliance knowledge
- Field work documentation, field data collection and management
- Microsoft Office, QGIS