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## **PROFILE:**

Experienced Irrigation Engineer well studied in the planning and design of agricultural projects aimed at the transportation and distribution of water. History of accommodating the needs and requirements behind the construction of dams, ditches and canals with an understanding of how climate characteristics, soil, return flow, supply and more impact considerations.

## **PROFESSIONAL EXPERIENCE:**

### **July 2020 to Present, Oscar Infrastructure Service, Marsa, Tunisia, Treatment Water Engineer:**

- Ensure the design, monitoring, and control of a network of wastewater treatment plants.
- Ensure the control and analysis of wastewater upstream and purified water downstream and present the necessary recommendations in terms of purification technique and control of wastewater transported by the corresponding networks.
- Project cost estimation using research and software to establish equipment, material and labor needs.
- Technical support to contractors, managers and project leads about design, construction, and project modifications and objectives.

### **July 2019 to Jun 2020, SDA El Ghanima, Testour, Tunisia, Irrigation Engineer:**

- Investigating the causes of the increase in salinity of the water wells used for irrigations.
- Sizing and development of engineering solutions to mitigate salinity increase in drilled water wells used for irrigation of the perimeter of El Ghanima.
- Checking the different industrial technologies to treat water salinity problems: reverse osmosis technology suitability, electrodes, designing an intermediate basin to store river water and dilute salted water to meet water irrigation
- Establish grade and load requirements, rates of water flow and material stress factors.
- Ensure that the irrigation is made in the right way and solves the problem of hydric stress for different crops.

### **Juin 2018 to Juin 2019, CRDA, Monastir, Tunisia, Irrigation Engineer:**

- Hydraulic and economic studies to reinforce an irrigation field.
- Inspection of sites to ensure compliance to design plans, as well as safety and sanitation codes.
- Managed multiple large scale projects at different stages, including irrigation, pipeline, water and sewage, harbors, dams and channels.
- Worked with Accounting to determine project feasibility costs.

### **September 2016 to Mai 2018; SONEDE, Monastir, Tunisia, Hydraulic Engineer:**

- Responsible for inspecting hydraulic installations all over the country and making written recommendations.
- Carried out inspections and minor repairs of a range of hydraulic equipment.
- Made major improvements to work flow practices to ensure my team worked in a much more efficient manner.
- Hydraulic and economic study for fresh water supply projects.

## **EDUCATION:**

**2016 School Of Engineer, Mejedz El Beb, Tunisia, Hydraulic Engineer, option: Irrigation:**

- Fluid Mechanics, Irrigation under pressure, Surface Irrigation, Soil Mechanics, Drinking Water Supply, Water Treatment, Water Quality, Water Purification, Automation and Mechanization, Topography, Electro Mechanics, Contamination of Groundwater.

## **LANGUAGES:**

- **English:** Fluent
- **French:** Fluent
- **Arabic:** Native
- **Spanish:** Beginner

## **SOFTWARES:**

Solidworks, Autocad, Microsoft Office, SQL,Python, Arcgis, Epanet, Swimm, SPSS, Cropwat Google Earth Pro, Strater, Surfer, Matlab, Logplot.

## **ACADEMIC PROJECTS:**

Study of projects at ESIM: Topography, Drinking water supply, Water and soil conservation, Civil Engineering, Irrigation, Drainage, Wastewater Treatment.

## **Certification:**

- **2021: ISO 9001 Certification**
- **2020: Udacity:** Verified certificate of completion the Data Analyst Track
- **2020: Accenture:** Soft skills, Mathematical reasoning, Self-confidence, Self-assurance, Communication-written comprehension.
- **2019: Clich:** Climate Change Impacts and Adaptations, Pollution of Aquatic Environments, Air Pollution, Renewable Energy Conversion and Storage.

## **HOBBIES:**

Football, Volleyball, Tennis, Kitchen, Cardio, Cinema, Traveling.