

David J. Hochhaus

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Summary

More than 10 years experience designing and troubleshooting wastewater plants; web programming skills that help create tools to solve business problems; 4+ years of project management and property management experience in residential real estate and construction.

Experience

DH Controls, LLC

Troubleshooting and field services for MBR (membrane bioreactor) wastewater plants

Owner

April 2017 - present

- Performed field service at wastewater treatment facilities throughout the U.S.
- A typical project to fix an MBR: troubleshoot to identify which membrane stack is the problem, remove the stack using a crane, disassemble, clean, replace damaged components, rebuild, put it back into the plant, bring the plant back online, operate the plant to monitor pressure and turbidity. This must be done within a critical time frame while the plant is offline and not processing wastewater.
- Performed project management tasks such as scheduling labor, supplies, cranes, and pump trucks for repairs of MBR systems.
- Rebuilt all of the PVC piping for two MBR package plants after the Texas Freeze of 2021
- Trained MBR operators on SCADA systems, biological processes, and the differences between membrane and conventional wastewater systems.
- Wrote SQL queries and Visual Basic scripts to build reports for plant operators
- Troubleshoot PLC programming problems such as interlocks, 4-20mA scaling, equipment start/stop timing
- Troubleshoot and fix various controls problems such as incorrect pump and instrument wiring, incorrect VFD parameters, replacing or relocating actuated valves, etc.
- Setup and configure accelerometers with EWON Flexy gateway to report data via cellular connection

Hellofixit TX, LLC

Buy, rebuild, rent, and sell residential real estate in Waco and Austin, TX

Owner

March 2017 - October 2021

- Bought and remodeled 18 houses, one apartment building, and built one new-construction house.
- Self-managed 15 rental units: performed repairs, leasing, rent collections, and evictions.
- Generated 2D and 3D plans using SketchUp and used the plans to obtain building permits

- Performed accounting tasks: kept an accurate record of expenses and income down to the penny for all properties, and tracked expenses by category such as: capex, maintenance, labor, tools, overhead, marketing, etc. Generated financial statements used to obtain bank refinance loans.
- Sold all but two remaining properties
- Hired, trained, and managed up to 10 construction employees at a time with various skill levels.

OpenSesame, Inc.

A leading source of eLearning for the enterprise, with a marketplace of 20,000 courses

Technical support

November 2015 - September 2016

- Provided technical support to employees and learning system managers of various Fortune 500 companies
- Troubleshoot problems by finding the layer where the problem exists: browser, customer's learning management system (LMS), SCORM course package, or remotely hosted content.
- Documented support practices by writing a 65 page training manual
- Trained new hires in the tier-1 support group

Ovivo Water

A leading provider of water and wastewater processing systems

Application Engineer, MBR Systems

August 2011 - November 2015

- Provided technical support to MBR operators throughout the U.S.
- Designed and wrote MBR Smartbook, a 76-page training guide for plant operators.
- Generated MBR plant proposals for over 100 facilities including biological process, equipment sizing, and selection. Used BioWin software for biological process calculations.

Additional Projects

- Xylene: A web app using Python, Flask, and MySQL. Displays the PDF of a foreclosure notice and allows the user to enter metadata into a form. Uses the data to mail merge and generate letters in PDF format. Resizes the foreclosure notices so they can be placed 2-up or 4-up depending on user settings.
- Hellofixit.com: A web app using Python, Flask, and MySQL that displays various handy-persons and shows their skills, experience, and photos of their work.
- Adirondack chair optimizer: When someone wants to build a set of adirondack chairs, this Python script will take variables such as the number of chairs, and the lengths and prices of lumber to find an optimal combination of cuts from each board that will minimize total project cost.
- MBR Sidekick: A Drupal 7 web site using the Twilio API. Used to receive SMS and MMS messages about equipment problems, and relay them to various suppliers.

Education

The University of Texas at Austin
 B.S. in Chemical Engineering
 Employability status: U.S. Citizen / Permanent Resident