

WORK HISTORY

1991 - Present

**H2 Alchemy, Owner/Operator
Independent Contractor
Consultant**

- ◆ Design, build, maintained indoor greenhouse and outdoor operations
- ◆ Develop organic fertilizer regimens and the use of integrated pest management techniques
- ◆ Design, build laboratory processing facilities and commercial kitchen for processing products and product development
- ◆ Familiar with all stages of processing and post processing of material
- ◆ Worked with: General Hydroponics, Diamond Lights, HydroFarm, Sunlight Supply, Left Coast Wholesale, Harvest More
- ◆ Engineer, design and build CO2 Extractors
- ◆ Reverse engineer, upgrade and modify existing CO2 systems
- ◆ Troubleshoot, service and maintain existing CO2 systems and ethanol extraction systems
- ◆ Custom bending of pipes and pipe fittings
- ◆ Source and order parts for custom machines
- ◆ Sales, new and maintaining existing clients
- ◆ BHO / PHO processing - Collaborated with the following companies
 - ◆ Precision Designs, BizzyBee, IronFist, EmoTek Labs, Delta Separations, Isolate Extraction Systems, BHOGART
- ◆ Develop new products with a focus on CBD and THC
- ◆ Produce and fill orders for clients
- ◆ Operate short path distillation, Rotovap; chilling, heating, vacuum system integration
- ◆ Hydroponic farming, project revamping layout design and construction for optimal production
- ◆ Automation, HVAC, plumbing, electrical upgrades and updates
- ◆ Audited necessary upgrades required to increase yields and concentration of THC levels
- ◆ Evaluating and removal of under performing plant varieties and replacement with high yield strains increasing THC levels percentages
- ◆ Increased flower production yields from an average of 100 lbs per month to 160 lbs per month
- ◆ Increased flower production THC concentrations to an average of 28% per month, with select strains testing at up to 32%
- ◆ Hired applicants to join cultivation and product processing team
- ◆ Delegated tasks to a crew of 5 people
- ◆ Maintaining all stocks, supplies, and budget for the facility
- ◆ Established and maintained relationships with wholesalers
- ◆ Created opportunities for the company to increase ROIs
- ◆ Crafted wholesale opportunities with external companies to ensure distribution of products

SKILLS

HVAC
Electrical
Plumbing
Managerial
Delegating
Problem Solving
Critical Thinking
Team Skill Building
Project Management
Time Management
Sales
The ability to attract campfire smoke
Microsoft Office
Trello
METRC

HOBBIES

Wine making
Cider Making
Brewing
Distillation
Mixology
Coffee Roasting
Barbecuing
Cooking
Golfing
Fly Fishing
Kayaking
Biking

EDUCATION | CERTIFICATES

| | |
|-----------------------|-------------|
| CCD Permit | MT |
| HVAC Certification | Penn Foster |
| Filtration, Lab Mgt | UC Davis |
| Horticulture & Botany | UC Davis |

WEBSITE

www.h2alchemy.com

REFERENCES

| | |
|---------------------|--------------|
| Scott Dapelo | 707-477-2788 |
| Quality Stainless | |
| Jo Diaz | 707-239-0202 |
| Diaz Communications | |
| Jarod Mund | 406-570-8693 |
| Loud Smoke | |

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EMPLOYMENT COLLABORATIONS

September 2022 - June 2023, Infinity Wellness

**Bozeman, MT
Director of Cultivation,
Extraction, and Manufacturing**

- ◆ Hydroponic farming project revamping layout design and construction for optimal production
- ◆ Consultation on increasing crop yields and reducing down time
- ◆ Full environmental control and monitoring:
heating/cooling, light deprivation, CO2 enrichment, irrigation, fertigation, custom nutrient blending
- ◆ Decreased cost per lb for production to below \$500

March 2018 - July 2019, Discretion Partners

**Belgrade, MT
Director of Research & Dev**

- ◆ Develop new products for merchandise line:
produce and fill orders for clients
- ◆ Maintain and run CO2 and ethanol extraction systems
- ◆ Operate short path distillation, Rotovap:
chilling, heating, vacuum system integration
- ◆ Compile equipment list for facility

June 2015 - October 2016, Isolate Extraction Systems

**Louisville, CO
Director of Research & Dev**

- ◆ Engineer, design and build / Reverse engineer, upgrade and modify existing systems
- ◆ Troubleshoot, service and maintain existing systems
- ◆ Custom bending of pipes and pipe fittings
- ◆ Source and order parts for custom machines
- ◆ Sales, new and maintaining existing clients
- ◆ Familiar with all stages of processing and post processing of material

March 2013 - October 2014, CannaCraft

**Santa Rosa, CA
Greenhouse Maintenance**

- ◆ Hydroponic farming project:
layout design and construction for optimal production
- ◆ Consultation on increasing crop yields and reducing down time
- ◆ Full environmental control and monitoring:
heating/cooling, light deprivation, CO2 enrichment, irrigation, fertigation, custom nutrient blending
- ◆ Multiple location on-site management
- ◆ Wholesale and retail sales of hydroponic equipment and products

May 2004 – July 2004, Winetech

**American Canyon, CA
Filtration Specialist**

- ◆ Operated Cross-Flow Filter
- ◆ Rotary Vacuum
- ◆ Performed reverse osmosis for removal of VA/4EP-4EG

My goal is obtain employment or gig work, in a healthy environment where I can add value to your overall objective and finished products. I appreciate your consideration and the opportunity to discuss how your business could benefit from my experience.

Be Well, Heath