**SKILLS**

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| --- | --- | --- |
| * Unit & Process Operations * Process Scale-up & Validation | * Cleaning Validation * Protocol & Reports Writing * Spray Drying * Encapsulation | * Sterilization * Project Management * Microsoft Office * SAP, Solid Works |

**PROFESSIONAL EXPERIENCE**

**PSC Biotech Corporation**, Pomona, CA                                                 Oct 2020 — Present

*Process Validation Consultant – Aphena Pharma Solutions, Easton, MD*

* Generate, review, and approve blending, cleaning, and packaging - engineering study and process validation protocols and reports.
* Create and execute master batch records (MBR) and provide support to operations team.
* Communicate with clients, vendors and cross-functional team and regularly provide update on project progress.
* Draft CAPA, change control, gap analysis, deviation reports.

*Process Safety Consultant – Takeda Pharmaceuticals, Los Angeles, CA* Oct — Dec 2019

* Wrote, edited, and verified accuracy of critical process safety information of various biopharmaceutical equipment including tanks, filter presses, and reactors.
* Revised P&IDs, cGMP documents, and process instrument specifications.

**American Custom Drying**, Burlington, NJ Jan — May 2019

*Chemical Operator/Associate Engineer- Fulltime*

* Designed and led spray dryer experiments from laboratory scale to pilot scale

(200 lbs H2O/hr) for proteins, nutrients and food grade products.

* Prepared products per clients’ specifications by weighing raw materials, blending, shearing and mixing, maintaining GMP batch records, QC sampling, labeling and packaging.
* Increased production rate by threefold, saving $30,000/year.
* Revised CIP procedures and pre-start SOPs to reduce downtime by 30%.

**United Pharma technologies**, South Plainfield, NJ May — Nov 2018

*Validation Engineer Consultant – Immonumedics, Inc, Morris Plains, NJ*

* Preformed cycle development and optimization of Fedegari autoclave steam sterilizer per EN285 standards.
* Drafted and executed PQ protocol using Kaye Validator and data loggers and prepared summary reports.

*Validation Engineer - UP Technologies, South Plainfield, NJ* July 2017 — May 2018

* Drafted URS, DS and PQs, and other validation life cycle documents for various pharmaceutical and lab equipment including Utilities, Equipment and Process.
* Utilities includes: Purified Water, WFI, Nitrogen Compress System, HVAC
* Equipment includes: V-Shell Blender, Filter Press, Steam Sterilizer, Freeze Dryer, Vial Filling Machine and Media Fill Run.
* Temperature mapping using Kaye Validator, pre-post calibration, analyzed test results.
* Knowledge of FDA 210, 211 and 820.

**EDUCATION**

**University of Houston, Clear Lake** May 2017

*Houston, Texas*

Master of Science in Industrial Management

**B.M.S, College of Engineering** May 2014

*Bangalore, India*

Bachelor of Science in Chemical Engineering