

JIGNESH PADIA

✓ *HSMP – Authorization to work in UK*

PERSONAL DETAILS

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PROFESSIONAL OBJECTIVE

A position in biopharmaceutical industry with a combined technical and business leadership role where my unique combination of skills and experience can be of mutual benefit. I wish to utilize my qualifications and expertise in **facility design** and **downstream processing** as a process engineer or technical consultant.

KEY SKILLS (Technical):

* Facility Design * Process Simulation * CMO – Setup & Technology Transfer * Project Management

EDUCATION

2002 - 2003: University College London, United Kingdom

MSc Biochemical Engineering (Distinction)

Design project (IChemE accredited): "Large Scale Production Of Monoclonal Antibodies Using Mammalian Cell Culture".

1999 - 2002: Saurashtra University (Christ College), Gujarat, India

BSc. Microbiology (First Class)

WORK EXPERIENCE

June 2005 – Present: QSV Biologics Ltd. (Canada)

Interim Project Manager (3 months)

- Managed techno-commercial aspects of contract manufacturing for our clients.
 - Defining Scope, Resource allocation, Cost analysis, Project timelines and Process design activities.
 - Setup of Process Development Labs, Systems and Recruitment activities
 - Created process simulation packages for internal usage (i.e. Facility Design, Suite Occupancy, Process Scale-up etc)

Process / Projects Consultant (1.5 years)

- Technical Lead of Facility design project for 10,000L multi-product, multi-client facility
- Lead on Technology Selection and Process Consultation for the Biotech Projects
- Facilitated Technology Transfer of GMP manufacturing processes for clinical trials and Phase I, II, III studies.
- Responsible for reviewing tech-transfer documents
- Technical Support to manufacturing group for scale-up and engineering runs.
- Troubleshooting of development and manufacturing processes.

Process Development Associate / Process Engineer (3 years)

- As a part of tech-transfers / engineering runs, gained experience on Large-scale fermentors, NCSRT Filtration system, Large-Scale Bioprocess Chromatography system, BPG columns, Pellicon Maxi – CUF system and other associated DSP equipments.
- Responsible for development and scale-up of processes for biologics and biotherapeutic proteins.

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July 2004 - March 2005: Millipore (India) Pvt. Ltd.

Process Development Scientist (1 year)

- Responsible for techno-commercial aspects of filtration & chromatography unit operations
- Process Development & Process optimisation of DSP for biologics: System sizing, Scale-down experiments, System Installation & Validation documentation
- Training Clients – Millipore Tech School Programme
- Developed skills in business management, presentation, filtration and chromatography process validation & operations.

November 2003 - July 2004: Cadila Pharmaceuticals (India)

Process Development Scientist (Biotech Internship / Training - 6 months)

- Responsible for process development aspects of recombinant EPO & recombinant Insulin
- Experienced handling mammalian cell culture, bacterial cell, protein purification and documentation.

AWARDS AND SCHOLARSHIPS

2006

- Awarded professional status of **Associate Membership** by IChemE
- Awarded **Alberta Ingenuity Award** for engineers by Alberta government.

2005

- Awarded **Alberta Ingenuity Award** for engineers by Alberta government.

2004

- **Award** for outstanding performance for the **Validation studies** and to meet the strict project deadline given by **Millipore**.
- **First prize** in Science Symposium for oral presentation: "**Downstream Processing of Plasmid DNA**"

2003

- Awarded with Andrew Stratton Bursary 2003/4 for higher education.

2002

- Awarded **Gold Medal** and **J.M. Dave Award** for outstanding performance in **BSc Microbiology**.
- **Ranked 1st** in College (and overall 2nd in University) in Final year of B.Sc. Microbiology.

PUBLICATION

2006

- "Integrated Process Design & Development" – Bioprocessing Tutorial, **Genetic Engineering News**
- "**Gas filtration: sterile micro-filtration for bioreactors**", **Filtration & Separation**

2005

- "The Feasibility Of Tangential Flow Filtration For Cell Lysate Clarification", **Biopharm International**

2002

- Research project on "Biodiversity and Enzymatic Potential of Thermophiles" at 43rd Annual Conference of Association of Microbiologists of India.

Presentation

2007

- "Process Development of Biotherapeutics" – at AIF(Alberta Ingenuity Fund) networking event
- "Managing manufacturing aspects in biotechnology" – annual presentation to internal QSV team

2006

- "Filtration – as a part of downstream process" – to internal QSV team (training seminar)

2005

- "How to operate AKTA 100 Air" presentation to internal QSV team (training seminar)

REFERENCES

Available on request