**Summary**

Highly accomplished and results-driven Biotechnology professional with a Master's degree, possessing over 10 years of experience in biopharmaceutical research and development, process optimization, and regulatory affairs. Proven expertise in cell line development, protein engineering, GMP manufacturing, and technology transfer. Seeking a senior leadership role where I can leverage my extensive scientific and strategic expertise to drive innovation and commercial success in the biotechnology industry.

**Education**

**Master of Science in Biotechnology** | May 2014

Governors State University, University Park, IL

* **Thesis:** *Optimization of Recombinant Protein Expression in Mammalian Cell Culture Systems*

**Bachelor of Science in Biology** | May 2010

University of Illinois at Urbana-Champaign, Urbana, IL

**Professional Experience**

**Director** | Biopharmaceutical Development Apex Biologics | Chicago, IL | June 2018 - Present

* Lead and manage a multidisciplinary team of scientists and engineers in the development and optimization of novel biopharmaceutical products, including monoclonal antibodies and recombinant proteins.
* Oversee cell line development, upstream and downstream process development, and analytical method validation.
* Direct technology transfer activities to GMP manufacturing facilities, ensuring successful scale-up and production.
* Manage project budgets, timelines, and resources effectively, ensuring adherence to regulatory guidelines (FDA, EMA).
* Develop and implement strategic plans for product development and lifecycle management.
* Represent the company in interactions with regulatory agencies and external partners.

**Senior Scientist** | Protein Engineering Global Pharma Corp | Cambridge, MA | September 2014 - May 2018

* Led research efforts in protein engineering to enhance the efficacy and safety of therapeutic antibodies.
* Designed and implemented novel antibody engineering strategies, including antibody humanization and affinity maturation.
* Developed and optimized protein expression and purification processes.
* Characterized protein structure and function using various biophysical and biochemical techniques.
* Contributed to the filing of patent applications and the publication of research findings.

**Publications**

* Jaguar, J., et al. (2023). Novel bispecific antibody targeting tumor microenvironment for enhanced immunotherapy. *Nature Biotechnology*, *41*(3), 345-356.
* Jaguar, J., & Smith, A. (2021). High-yield expression of a therapeutic protein using a novel CHO cell line. *Biotechnology Progress*, *37*(1), e3123.
* Jaguar, J. (2019). Streamlined purification process for a monoclonal antibody using continuous chromatography. *Journal of Pharmaceutical Sciences*, *108*(5), 1789-1798.

**Professional Affiliations**

* Biotechnology Innovation Organization (BIO)
* American Chemical Society (ACS), Biotechnology Division
* Society for Biological Engineering (SBE)