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Jessica Barnes

A process engineering manager with over 8 years of experience specializing in process design, optimization, and project management for chemical and pharmaceutical industries. Proven track record of driving process improvements that enhance productivity and reduce operational costs.

CONTACT

 (123) 456-7890

 email@example.com

 LinkedIn | Portfolio

 Boston, MA

PROFESSIONAL EXPERIENCE

PROCESS ENGINEERING MANAGER | BIOTECH SOLUTIONS, BOSTON, MA
JULY 2017 – PRESENT

- Lead a team of 15 process engineers in the design, implementation, and optimization of production processes for pharmaceutical manufacturing
- Improved production efficiency by 20%, resulting in a \$3 million annual savings
- Managed the successful scale-up of a new production line, meeting all quality control and regulatory standards

SENIOR PROCESS ENGINEER | CHEMICAL ENGINEERING CORP., BOSTON, MA
JUNE 2013 – JULY 2017

- Designed and optimized chemical manufacturing processes, resulting in a 10% increase in output while reducing energy consumption by 12%
- Coordinated with cross-functional teams to address process bottlenecks, improving throughput by 15%
- Developed and implemented new quality control systems, reducing defects by 8%

EDUCATION

- Master of Science (M.S.) Process Engineering, Massachusetts Institute of Technology, Cambridge, MA | May 2013
- Bachelor of Science (B.S.) Chemical Engineering, University of California, Berkeley, CA | May 2011

CERTIFICATIONS

- Six Sigma Green Belt - May 2016
- Project Management Professional (PMP) - Project Management Institute, May 2017