Sierra Flores

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Process Engineer with 6+ years of experience optimizing workflows and driving efficiency in dynamic environments. Proven success building and implementing systems to scale operations and streamline cross-functional collaboration.

AREAS OF EXPERTISE

Project & Operations Management
Agile, Lean, and Six Sigma | Project Planning | Stakeholder Communication | KPI Tracking | Technical Documentation

Data Science & Automation
Python (Pandas, SciKit Learn, etc.) | SQL | APIs | Flask | Advanced Excel and Google Sheets | Tableau | Basic AWS | Jira

Lab & Instrumentation
Electronic Lab Notebooks (ELN) | Lab Information Management Systems (LIMS) | SolidWorks/CAD | Lab Management
Quality Control (GLP, GMP, ISO) | Assay Development | PCR and qPCR | Lab Automation (Tecan, Opentrons, Agilent)

PROFESSIONAL EXPERIENCE

Confidence Systems (SaaS Startup)
Senior Process Engineer | June 2025 – Present   Remote
- Own a six-figure engagement with a Fortune 1000 client, presenting insights weekly to executive stakeholders, including the Head of Technology Operations and Head of Legal.
- Conduct first-round interviews and assess candidates, contributing to talent acquisition and team growth.
- Developed 15 process maps with actionable recommendations across 11 teams to reduce client process time by 30–40%, positioning Confidence for a $400k software deal.
- Spearheaded training improvements, reducing new hire ramp-up time by 50% and increasing team productivity.

Process Engineer | February 2025 – May 2025   Remote
- Created 20+ process maps and observation reports across 4 teams and 3 countries for a Fortune 500 client, earning CEO praise for quality and depth.
- Digitized critical documentation for a regulatory team, eliminating the need for physical paperwork and streamlining audit compliance; success led to a new SOW expanding the project scope.
- Designed dynamic forms to capture execution parameters, improving process traceability and audit readiness.

Professional Development   Dallas, TX
Entrepreneurial & Technical Training | May 2024 – January 2025
- Completed courses in Python and Machine Learning; built and launched a personal website.
- Completed Y Combinator's Startup School curriculum; connected with a cofounder and began developing a women's health app venture.

Sound Agriculture (Biotech Startup)
Process Engineer I | July 2022 – April 2024   Remote
- Built a Smartsheet-Asana system that scaled research operations 10x—from 4 to 40+ concurrent experiments.
- Led Agile ELN/LIMS rollout, authoring a 200+ page manual and training 30+ staff to meet investor data standards.
- Built dashboards tracking 10 KPIs, enabling clear visibility into 20 months of research trends for staff and leadership.

Research Associate I | June 2021 – July 2022   Emeryville, CA
- Optimized sample preparation protocols, cutting RNA loss by up to 75% and improving data reliability.
- Led experimental design and execution to modify trait expression in 7+ crop species, supporting key R&D goals.
- Partnered with 3+ external organizations to accelerate product development and advance genetic research.
- Uncovered major operational inefficiencies and proposed a strategic solution, prompting leadership to create the company's first Process Engineer role.

Quansys Biosciences
Research and Development Technician | February 2019 – May 2021   Logan, UT
- Led QMS implementation and staff training to meet GLP, GMP, ISO 13485, and ISO 9001 standards, resulting in 2 successful audits.

- Managed development of 12+ multiplex Enzyme-Linked Immunosorbent Assays (ELISAs) for 6+ clients, validating up to 13 biomarkers per assay to meet QC and client standards.

EDUCATION, LICENSURE, & CERTIFICATIONS

Utah State University   **May 2021**
B.S. Biological Engineering, Entrepreneurship Minor | GPA: 3.97   Logan, UT
- Undergraduate Research Fellow; graduated *summa cum laude* with Honors

Fundamentals of Engineering Exam, Other Disciplines   **September 2020**
Engineer in Training (EIT) License