

TECH SAVVY ENGINEER

Professional Summary

Tech-savvy engineering and data professional with 20+ years of experience across software engineering, full-stack development, data engineering, QA, and advanced manufacturing. Known for optimizing systems, automating workflows, reducing defects, improving production yield, and delivering scalable digital solutions. Strong background in Lean Six Sigma, process optimization, and enterprise technology ecosystems. Dynamic professional with a proven track record at Getty Digital, excelling in cross-functional collaboration and data engineering. Expert in optimizing database architectures and implementing real-time streaming solutions, enhancing operational efficiency. Adept at financial concept translation and regulatory adaptability, driving impactful results in fast-paced environments.

Core Strengths & Technical Skills

- **Lean Six Sigma | Root-Cause Analysis | Process Optimization**
- **Software Engineering | Full-Stack Development (React, Node, Python, Swift)**
- **Data Engineering | ETL Pipelines | SQL/NoSQL | Big Data Tools | Analytics & AI**
- **Pharmaceutical Processing | Laboratory Work | Residential Care Support | Retail & Customer Service | Event Booking & Planning | Mechanical Systems & Pool Equipment | Logistics & Delivery**
- **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, CI/CD
- **QA & Automation:** Selenium, Cypress, Postman, API Testing
- **Manufacturing Ops:** GMP, SOPs, Safety Compliance, Machine Optimization
- **Programming:** Python, JavaScript, TypeScript, Swift, Java, C#
- **Tools:** SAP, Wonderware, LIMS, Git, Jira, Confluence, Figma, Tableau, Power BI

Professional Experience

Processing Machine Operator — Kelly Services (Contractor for Kenvue) **June 2025 – Present**

- Operate and optimize pharmaceutical processing equipment to improve yield and minimize downtime.
- Apply root cause analysis to equipment issues and process deviations.
- Ensure GMP, safety, and quality compliance across all shifts.
- Collaborate with engineering/QA teams on continuous improvement initiatives.
- Execute raw material weighing, measuring, and dispensing with high accuracy per batch records.
- Perform in process quality testing (pH, viscosity, density) ensuring batch consistency.
- Maintain detailed and compliant electronic batch documentation (EBR).
- Troubleshoot production issues, perform changeovers, and complete cleaning/sterilization.
- Collaborate with QA, Maintenance, and Production to meet daily production goals.

Software Engineer | Quality Assurance Engineer — Revature (Cognizant Technologies) **Mar 2022 – Jan 2025**

- Built and tested enterprise applications, improving reliability and performance.
- Automated testing frameworks, reducing defects and increasing deployment quality.
- Implemented CI/CD pipelines and contributed to full SDLC workflows.
- Conducted performance tuning and root cause analysis for production issues.

- Deployed Qlik for enterprise analytics, improving decision making and operational visibility.
- Integrated generative AI into CRM systems, increasing productivity by 375% and improving on time delivery by 88%.
- Modernized ERP/MRP systems by integrating legacy platforms with new .NET analytic interfaces.
- Built multi device interfaces and implemented CI/CD pipelines to streamline releases.
- Conducted regression, integration, and penetration testing to ensure system reliability.
- Authored documentation and best practices for Java, Python, React, and Node teams.

Data Team Lead — Sun Basket

Feb 2021 – Sep 2022

- Reviewed, corrected, deleted, and re-entered data to eliminate duplication of data and maintain data integrity.
- Tested customer and account system changes and upgrades with new data input and review.
- Compiled and sorted information to prepare source data for computer entry.
- Analyzed network security and current infrastructure, assessing areas in need of improvement.
- Managed data workflows for logistics, production, and inventory analytics.
- Built dashboards and automated data checks to enhance accuracy.
- Directed and trained a high-performing data operations team.

Bindery Lead — Quad Graphics

Sep 2019 – Jul 2021

- Used cutting and trimming machines to trim edges of books to appropriate size.
- Used large-volume hand machine punch and staplers to punch holes into paper sheets.
- Operated gold, silver and colored foil and stamping machines to emboss lettering, designs and numbers on book covers.
- Checked all finished products to detect and correct uneven paper edges and dimensional errors.
- Led bindery production, machine setup, and quality verification.
- Improved workflows to increase print production efficiency.
- Ensured compliance with QA, safety, and productivity standards.

Package Delivery Driver – UPS

Aug 2020 – Sep 2021

- Safely operated UPS delivery vehicles to deliver and pick up packages across residential and commercial routes.
- Managed daily delivery schedules, adapting routes based on traffic, weather, and customer needs.
- Used DIAD handheld scanners to track packages with 100% accuracy.
- Provided excellent customer service, maintaining a professional and courteous demeanor.
- Conducted pre- and post-trip vehicle inspections and followed strict UPS and DOT safety protocols.
- Delivered high volumes efficiently, consistently meeting delivery speed, accuracy, and performance benchmarks.

Pool Mechanical Technician – Riverton Pools

Jun 2015 – Aug 2020

- Performed routine maintenance, cleaning, and servicing of residential and commercial swimming pools.
- Tested and balanced water chemistry, adjusting chlorine, pH, alkalinity, and other levels to meet safety and health standards.
- Inspected, repaired, and installed pool equipment including pumps, filters, heaters, and automatic systems.
- Managed daily service routes, ensuring timely arrival and efficient completion of scheduled pool visits.
- Documented all maintenance activities, chemical readings, and repairs for customer records and company tracking.
- Communicated clearly with customers about pool conditions, needed repairs, and recommended services.
- Maintained high standards of professionalism and safety while working in outdoor environments.

Senior Data Engineer | Lead Developer & Designer — Getty Digital

Jun 2015 – Aug 2019

- Engineered data pipelines and enterprise reporting systems.
- Built full-stack applications and optimized database architectures.
- Led UI/UX design, development, and deployment for digital platforms.
- Reduced reporting and automation time by over 40%.
- Collaborated on ETL (Extract, Transform, Load) tasks, maintaining data integrity and verifying pipeline stability.

- Developed polished visualizations to share results of data analyses.
 - Modeled predictions with feature selection algorithms.
 - Applied loss functions and variance explanation techniques to compare performance metrics.
 - Migrated legacy systems to AWS/GCP to improve performance and reduce operating costs.
 - Implemented real-time streaming solutions (Kafka, Spark Streaming).
 - Automated DevOps and IaC (Terraform, CloudFormation) to reduce deployment time.
 - Mentored engineering teams and enforced coding best practices.
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 **Full-Stack Developer | Data Analyst — Live Music Tutor**

Mar 2014 – Jun 2016

- Built dashboard features, media tools, and user management systems.
 - Conducted analytics and data modeling to support business intelligence.
 - Developed interactive web applications for music education.
 - Reviewed code, debugged problems, and corrected issues.
 - Managed development milestones from initial steps through final delivery.
 - Developed functional databases, applications and servers to support websites on back-end.
 - Collaborated with fellow engineers to evaluate software and hardware interfaces.
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 **Assistant Manager | Data Scientist | Senior Web Developer — D.B.A. Entertainment**

Jun 1998 – Mar 2014

- Directed business operations, technical strategy, and development.
 - Built customer-facing applications and CRM systems.
 - Performed data analytics to enhance operational performance.
 - Managed staff and oversaw daily business workflows.
 - Completed regular inventory counts to verify stock levels, address discrepancies, and forecast future needs.
 - Offered hands-on assistance to customers, assessing needs, and maintaining current knowledge of consumer preferences.
 - Monitored cash intake and deposit records, increasing accuracy, and reducing discrepancies.
 - Generated repeat business through exceptional customer service.
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 **Residential Living Staff – Elwyn**

Jan 2009 – Oct 2013

- Provided direct care and daily living support to individuals with intellectual and developmental disabilities.
 - Assisted with medication management, charting, and compliance with healthcare and behavioral plans.
 - Implemented individualized support plans to promote independence, skill-building, and community integration.
 - Maintained detailed documentation on progress, incidents, and daily activities in accordance with agency standards.
 - Ensured resident safety through monitoring, conflict de-escalation, and crisis intervention techniques.
 - Built supportive relationships based on respect, empathy, and consistent care.
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 **Assistant Manager – Hollywood Video**

Jun 2000 – Jan 2009

- Assisted with day-to-day store operations including customer service, cash handling, and inventory control.
 - Supervised and trained team members on store procedures, POS systems, and sales techniques.
 - Resolved customer issues, recommended movie titles, and promoted memberships and in-store programs.
 - Managed product displays, returns, stocking, and media organization to improve customer experience.
 - Monitored sales performance and supported efforts to meet revenue and membership goals.
 - Opened and closed the store, ensuring accuracy in financial reporting and adherence to loss-prevention policies.
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 **Laboratory Technician – Quest Diagnostics**

Jul 2002 – Nov 2005

- Performed specimen processing, preparation, labeling, and quality verification according to laboratory standards.
- Operated and calibrated laboratory equipment, maintaining accurate logs and troubleshooting minor issues.
- Ensured strict adherence to CLIA, OSHA, and internal quality control procedures.
- Maintained sterile work environments and followed all biohazard safety protocols.
- Entered patient data and test information with precision, ensuring accurate documentation in the LIS system.

- Collaborated with technologists, phlebotomists, and supervisors to maintain efficient lab workflow.
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Education

- **Ph.D., Technology Management (Engineering Management)** — *National University* **In Progress**
 - **M.S., Information Technology (Project Management)** — *American InterContinental University* **2023**
 - **B.S., Information Technology (Security & Assurance)** — *American InterContinental University* **2021**
 - **A.A., Business Administration (Criminal Justice)** — *American InterContinental University* **2011**
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Awards & Honors

- **Dean's List** (Multiple)
- **President's Academic Excellence Award** (Multiple)
- **Magna Cum Laude Graduate**
- **Epsilon Pi Tau International Honor Society**
- **Golden Key International Honor Society**