

JEREMIAH LUPTON

CONTACT



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AREAS OF EXPERTISE

Engineering & Operational Excellence

WEBSITES, PORTFOLIOS, PROFILES

- [linkedin.com/in/jdlupton](https://www.linkedin.com/in/jdlupton)
- jeremiahlupton.com

ACCOMPLISHMENTS

- Resolved product issue through consumer testing.
- Collaborated with team of 40 in the development of Live Music Tutor Development and Launch Project.
- Achieved 96% by developing and introducing new software for a large medical insurance company.
- Documented and resolved production waste which led to an increase in 39% yield.

SKILLS

- **Lean Six Sigma:** DMAIC & DMADV, Root-Cause, Fishbone, Pareto Chart, FMEA, SPC & 5S, VSM, Poka-Yoke, CAPA, IQ/OQ/PQ, Change Control, Process Monitoring, Deviation Investigations, Cp/Cpk, Process Validation, and Kanban.
- **Manufacturing:** GMP, SOPs, OEE, Root Cause Analysis, Process Optimization, Machine Operation, Manufacturing Excellence, Manufacturing KPIs, Troubleshooting, Strategic Sourcing, Vendor Negotiations, Preventive/Corrective Actions, Technical Documentation, and ETL Pipelines.
- **Engineering:** Software Engineering, Automation, PLC, SCADA, DevOps, Quality Assurance, and Process Engineering.
- **Cloud:** AWS, GCP, Docker, Kubernetes, and Terraform.
- **Programming:** Python, JavaScript, React, Node.js, SQL/NoSQL, Java, MATLAB, and C#.
- **Analytics:** Power BI, Procurement, Tableau, ETL, Big Data, Spark, Kafka, and AI.

Highly skilled technology and operations professional with a strong background in software engineering, data engineering, automation, quality assurance, procurement, and manufacturing. Proven success leading cross-functional initiatives, optimizing processes, implementing CI/CD and cloud solutions, and improving operational performance through Lean Six Sigma and root-cause analysis. Experienced in GMP environments, ETL development, analytics, DevOps, strategic sourcing, and team leadership.

WORK HISTORY

June 2025 - Current

Processing Machine Operator I Kenvue LLC, Fort Washington, PA

- Partner with QA, Maintenance, and Production on continuous improvement and root-cause investigations.
- Supports pharmaceutical manufacturing operations, batch execution, equipment changeovers, and quality compliance in a GMP environment.
- Demonstrates adaptability by quickly learning how to operate new machinery and implementing newly introduced processes within the production environment.
- Ensured 100% accurate documentation of production data for analysis and continuous improvement efforts.
- Operated machinery to ensure efficient production processes and maintain quality standards.

Machine Operator - Contractor (via Kelly Services) (June 2025 – March 2026)

- Performed core job duties and successfully met initial performance metrics.
- Converted to a full-time role based on strong performance and contribution to the weighing and batching process.

March 2022 - January 2025

Software Engineer & Quality Assurance Engineer Revature, Remote

- Integrated analytics and AI-driven solutions, improving productivity and operational visibility by 46%.
- Led software development projects, ensuring alignment with client specifications and industry standards.
- Designed and tested scalable applications using Java, enhancing system performance and user experience with Agile and SDLC methodologies.
- Collaborated with cross-functional teams to design and implement new features.
- Built and Implemented automated testing processes and CI/CD pipelines to increase product reliability and efficiency.
- Refactored legacy code-bases for improved maintainability, paving the way for easier future updates.

February 2021 - September 2022

Data Team Lead & Automation Engineer Sun Basket, Westampton, NJ

- Led data operations and automation initiatives for logistics, inventory, and production.
- Improved data integrity through validation, workflow optimization, and reporting automation.
- Trained and coordinated a high-performing operations team.
- Oversaw the implementation of data management systems, improving data accessibility and integrity by 41%.
- Led data analysis initiatives to drive strategic decision-making across departments.
- Developed and implemented data governance frameworks to ensure compliance and accuracy.

June 2015 - August 2019

Data/Automation Engineer & Full-Stack Developer Getty Digital, Remote

COMMUNITY SERVICE & VOLUNTEER WORK

American Red Cross of New Jersey, Duty Officer, Coordinates emergency response communications, supports disaster operations, and serves as a key point of contact during incidents and activations., Collaborates with volunteers, staff, and partner agencies while maintaining accurate incident documentation and situational awareness., Demonstrates leadership, decision-making, crisis management, and public service in a fast-paced environment.

ADDITIONAL EXPERIENCE

- Bindery Lead, Quad Graphics | 2019–2021
- Package Delivery Driver, UPS | 2020–2021
- Pool Mechanical Technician, Riverton Pools | 2015–2020
- Residential Living Staff, Elwyn | 2009–2013
- Laboratory Technician, Quest Diagnostics | 2002–2005
- Assistant Manager, Hollywood Video | 2000–2009

AWARDS & HONORS

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

- Engineered ETL pipelines, reporting platforms, and full-stack applications supporting business operations.
- Migrated legacy systems to AWS/GCP and implemented real-time streaming and automation solutions.
- Reduced reporting and automation cycle times by more than 40% through process optimization.
- Mentored developers and established coding and deployment best practices.
- Collaborated with cross-functional teams to enhance deployment strategies and reduce downtime.
- Developed automated testing frameworks to streamline software quality assurance processes.

March 2014 - June 2016

Full-Stack Developer & QA Engineer/Data Analyst *Live Music Tutor*, Remote

- Developed web applications, dashboards, and data models to support business intelligence and user management.
- Implemented RESTful APIs for seamless integration between frontend and backend systems.
- Developed and maintained web applications using React, Node.js, and MongoDB.
- Streamlined QA processes, resulting in an 28% increase in efficiency and reduced time to market.
- Collaborated with cross-functional teams to define project requirements and deliver on time.
- Developed and maintained responsive web applications using JavaScript, HTML, and CSS frameworks.

June 1998 - March 2014

Procurement Manager & Full-Stack Data Scientist *D.B.A. Entertainment*, Philadelphia, PA

- Directed business operations, CRM development, analytics, inventory management, and customer service initiatives.
- Fostered collaboration between departments to enhance project outcomes.
- Improved customer satisfaction by 21% by addressing and resolving complaints promptly.
- Led procurement strategy development to enhance supply chain efficiency and reduce costs.
- Negotiated contracts with suppliers to secure favorable terms and long-term partnerships.

Assistant Manager - (June 1998 - January 2003)

- Monitored cash intake and deposit records, increasing accuracy, and reducing discrepancies.
- Generated repeat business through exceptional customer service.
- Supervised day-to-day operations to meet performance, quality and service expectations.

EDUCATION

July 2026

Ph.D. Technology Management (Engineering Management)

National University, San Diego, CA

- Dean's List
- 3.99 GPA

September 2023

Master of Science Information Technology (Project Management)

American InterContinental University, Atlanta, GA

- Inducted into the Golden International Key Honour Society, Awarded the Presidential Award, and made Dean's List.
- 3.93 GPA

July 2021

Bachelor of Science Information Technology (Security & Assurance)

American InterContinental University, Atlanta, GA

- Made Dean's List, Awarded the Presidential Award, inducted into the Epsilon Pi Tau International Honor Society, and Graduated Magna Cum Laude.
- 3.88 GPA

September 2011

Associate of Arts Business Administration (Criminal Justice)

American InterContinental University, Atlanta, GA

- Made Dean's List and Graduated with Honors
- 3.96 GPA