

ZACHARY LANKTON

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| PROFESSIONAL SUMMARY

10+ Years of Experience in Manufacturing as an Operations Manager / Engineer. Passion for technology and problem solving. Looking for a technical position in software development. Self taught in programming, software, electronics, and industrial control systems.

| WORK HISTORY

Molded Magnesium Products, LLC - Operations Engineer

Jackson, MI • 02/2010 - Current

- Helped Grow Company from \$100K in Sales to over \$2M.
- Planned installation, maintenance and operation of equipment.
- Performed Advanced Maintenance Items on Equipment. Electrical, Mechanical, Hydraulic, Pneumatic, etc.
- Worked closely with Production and Maintenance Team to manage downtime and accomplish maintenance / production goals
- Analyzed Running Processes to identify opportunities for improvement.
- Diagnosed poorly running processes
- Developed Automated Data Collection Systems
- Used / Developed Software for Collecting, Storing, and Reporting Data.
- Worked on integrating automated systems / robots into existing equipment.
- Developed / Diagnosed Industrial Control Systems (PLC, PID, Proprietary, and others)
- Received and processed stock into inventory management system.

| SKILLS

- Technical Drawing / Schematic / Blueprint Reading
- GD&T Experience
- Electrical Engineering Experience
- Hydraulic Systems Experience
- Mechanical Systems Experience
- Computer Controlled Machines
- Robotics / Automation Integration
- Industrial Control Systems
- Raspberry Pi / Arduino / Microcontroller Programming
- Linux Operating Systems (including Remote Servers)
- Computer Programming
- Python / C++ / C# / PHP / Node JS
- HTML / CSS / JavaScript
- Basic Front End Framework Experience (Vue.js, React)
- SQL, No-SQL, MySQL, Couchbase, Couch DB, MongoDB, others.
- Standard Office Suite, Word, Excel, PowerPoint (including Google Variant)

| CERTIFICATIONS

Currently Working on Getting AWS Developer Certification and Cisco Network CCNA.

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Have Additionally completed many assessments on CodeSignal.com and Triplebyte.com. Below are the links:

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<https://app.codesignal.com/coding->

- Used critical thinking to break down problems, evaluate solutions and make decisions.
- Developed and implemented performance improvement strategies and plans to promote continuous improvement.

| ACCOMPLISHMENTS

Used a Raspberry Pi and Teensy Microcontroller to create an electrical energy monitor that could observe up to 16 electrical devices at a time. This was installed on a Magnesium Injection Molding Machine to monitor the energy use of 11 Heater Elements. Total Cost to develop and implement was \$500. The device enabled us to identify failing heater elements before they completely failed. This helped us improve part quality and reduce downtime. Additionally the data we collected over 2 years enabled us to negotiate a deal worth \$10k in cost savings with a new heater element manufacturer.

<https://github.com/zachlankton/TheresaController>

| ADDITIONAL INFORMATION

I am a life long learner and recently have been learning Docker, Kubernetes, React, AWS, Google Cloud Platform, and many other related items.

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<https://triplebyte.com/tb/zach-lankton-op0lmvr>

| LINKS

- www.mmpmg.com
- <https://github.com/zachlankton>
- <https://www.upwork.com/freelancers/~017c5bcd6f3337213c?viewMode=1>