

Nathan Laning

2898 Aurora Avenue, Boulder CO, 80303 – (802)-451-9775

Website/Portfolio: www.nathan-laning.com

nlaning15@gmail.com

Education

-
- | | |
|--|----------------|
| - University of Vermont, Burlington, VT 05401 | Graduated 2018 |
| Bachelor's degree in computer science, Minor in Math | |

Work Experience

Software Engineer – Diesl.ai	October 2024-Present
------------------------------	----------------------

- Responsible for creating independent software solutions to meet company needs in an array of languages
- Supporting and creating cloud solutions and integrations in Azure
- Designing software solutions that leverage generative AI

Manufacturing/Process Engineer – OnLogic – South Burlington, VT	September 2018 – November 2024
---	--------------------------------

- Responsible for implementing process improvements often prioritizing efficiency
- Independently balance personal workload across numerous competing company priorities
- Provide technical expertise for customers, departmental, and companywide needs
- Responsible for production readiness of new components and systems
- Created and maintained numerous software solutions for manufacturing and company wide use
- Responsible for the corrective action team, coordinating long term efforts to eliminate inefficiencies
- Extensive knowledge of computer hardware

Applicable Skills

-
- High level of drive and adept at accomplishing tasks independently
 - Experience leading, training, and giving fair feedback to team members
 - Ability to flex between different tasks and problems quickly and effectively
 - Experience in designing full stack software solutions from scratch with a focus on speed and reliability
 - Extensive experience in Python, PHP, HTML/CSS, SQL, and JavaScript
 - Moderate experience in Bash Scripting, TypeScript, React, C, C#, and Java
 - Experience using deployment tools such as Docker and Kubernetes all within cloud infrastructure (Azure)
 - Experience Developing API's for inter-solution communication
 - Experience in various software development tools (Jira, Git, etc.)
 - Extensive experience working in Linux server environments

Accomplishments

-
- Developed full stack software solutions on a two-person team using an array of techniques and languages to create numerous complex tools for manufacturing.
 - Helped create AI vision processing for manufacturing
 - Independently created unique software solutions to handle document OCR extraction and processing
 - Maintained and helped create several complex databases for several large-scale production solutions
 - Handle direct ownership and creation of critical software for assembly line manufacturing. Many of these tools had a strong focus on continuous improvement (flexibility), increasing efficiency, and first pass yield.
 - Created numerous tools for data management and KPI tracking for various departments.
 - Independently created a web-based software suite to support our internal new product introduction process. Allowing full customization for each department on specific categories of components
 - Owned and overhauled the corrective action process to solve multi-departmental processes that have high impact on quality, customer experience, and efficiency.
 - Developed a prototype to automate computer interactions for our assembly line. Utilizing hardware level software and more modern communication techniques.