Noah Burnette

I make software for the manufacturing industry

Contact

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Languages

Go Python SQL TypeScript Java HTML/CSS

Frameworks/Libraries

Gin Flask Gorm React htmx Node.js

Platforms/Tools

Git Ignition Docker Kubernetes MSSQL PostgreSQL

Summary

I am a software engineer who helps digitally transform manufacturing around the world.

Experience

12/2023 - Present

MES Software Engineer

Intellic Integration

- Built large-scale MES applications using Ignition.
- Developed web services with Flask and htmx to enhance system automation.
- Created internal tools with Go and Python to boost deployment efficiency.
- Worked across diverse industries, including food and beverage and battery manufacturing.
- Contributed to a native test engine in Ignition, improving testing workflows.
- Provided technical support and documentation to stakeholders, ensuring successful implementations.

04/2023 - 11/2023

Software Developer Intern

Sierra Nevada Brewing Co.

- Developed MES applications in Ignition.
- Designed T-SQL stored procedures and views to optimize database operations.
- Enhanced server-side performance by implementing backend functionality in Python.
- Built user-friendly interfaces to improve user experience and efficiency.

12/2021 - 04/2023

Network Technician

Microtech Knives

- Managed and deployed Linux infrastructure.
- Built and maintained Docker images to facilitate seamless workspace deployment.
- Conducted network analysis to identify and address security threats.
- Configured Meraki hardware to strengthen network reliability.

Projects

05/2024 - Present

GoMES · https://github.com/nburnet1/gomes

A real-time, event-driven framework written in Go for dynamic, concurrent data collection and processing.

- Developed namespace engine that contextualizes data in a hierarchical fashion
- Leveraged native Go channels for high-concurrency data streams.
- Integrated an admin page for configuration and monitoring.
- Enabled support for user-defined models through Gorm.
- Built a straightforward namespace API for read, write, and subscribe operations.

06/2022 - 11/2023

Pyile · https://github.com/nburnet1/pyile-protocol

Modular Python application enabling secure and private messaging via P2P.

- Designed a TCP/IP protocol with authentication and messaging.
- Built a user-friendly interface with Tkinter.

Education

05/2020 - 12/2023

University of North Carolina Asheville

Bachelor of Science Computer Science