

Nathan Lincoln

B.S. COMPUTER SCIENCE

30602 E 335th Street, Garden City, MO 64747

☎ (816) 808-1472 | ✉ nll9q2@mst.edu | 🏠 natelincoln.com | 📱 NLincoln

Experience

IntelliFarms

Archie, MO

FULL-STACK SOFTWARE ENGINEER

May 2016 - Present

- Work closely with all stakeholders to create entirely new products such as the SureTrack Timeline & SureTrack Pro
- Played a key role in implementing an algorithm to calculate the inventory of a grain bin, leading to over \$800,000 in sales
- Managed two interns for the summer of 2017, assigning tasks and reviewing code
- Creating an enterprise product for grain processing facilities to find farmers that fit their spec
- Attended Integrity Sales training to gain insight into how salesmen interface with customers
- Attended trip to satellite office to provide training for new employees.
- Served as one of two recruiters as a co-op to help recruit at the MST career fair
- Championed test driven development to improve web development work flow
- Improved microservice architecture with Docker and Kubernetes
- Work on PWA technologies, targeted both Mobile and Desktop users
- Helped create internal CLI tool to assist new members by installing all needed tools inside of docker

Education

Missouri University of Science and Technology

3.723 GPA

B.S. in Computer Science

August 2015 - December 2019

Programming Skills

AWS	Deployed my own private cloud onto natelincoln.com
JavaScript	Experience with modern ES7+ feature, Typescript, and Node
React.JS	1 year of experience, Open source libraries.
Git	Experience with GitLab and GitLab CI. Comfortable with advanced techniques
SQL	Experience with highly relational data, joins, and complex queries. MySQL & PostgreSQL
Docker	Use to deploy microservices and to build tooling for dev and CI
Rust	Intricate knowledge of lifetimes & parallel processing.
Bash	Worked on a dynamic tool that linked together interdependant microservices with docker-compose
GraphQL	Created an efficient wrapper for existing PHP-based API's using Apollo Server & DataLoader

Projects

perf-analyzer

React, Rust

- Web application to measure performance of AJAX api's
- Available at nlincoln.github.io/perf-analyzer/
- In the progress of being rewritten as a CLI tool
- Eventual goal is to automate the discovery of performance degradations

react-qparams

JavaScript, React

- Open source library to interact with the search parameter on the browser's URL bar
- Enables SPA's with good URLs by treating the search parameter as a source of state.

tracer

Rust + AWS Lambda

- Implementation of Peter Shirley's *Raytracing In a Weekend*
- Distributes the work of raytracing an image to hundreds of workers with AWS Lambda.

relatable

Rust

- Relational SQL Database
- Parses & Executes simple SQL queries against an on-disk, single-file database.
- Read the blog series at natelincoln.com