

Jack Lewis

Ypsilanti, MI

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Summary

I am an experienced full stack developer, I enjoy working on everything from full-stack web development, to lower level work in languages like C and Rust.

Experience

May Mobility

Ann Arbor (Hybrid)

Software Engineer II

September 2022 - August 2025

Developed Python tool to create snippets of autonomous vehicle logs for events such as takeovers, uncomfortable maneuvers, etc. for full drive logs uploaded to S3 in AWS Batch, as well as on-vehicle compute for post-drive processing to save vehicle site bandwidth

Worked on drive events pipeline to update Jira board for internal autonomy engineers

Maintained and developed Databricks medallion data pipelines to ingest autonomous vehicle logs for drive statistics

Developed proof of concept on-the-fly vehicle log compression, while maintaining API compatibility with existing autonomous stack

Developed multi-threaded log compressor tool for post-drive processing, written in C using Zstandard compression

Technologies used: Python, C/C++, Rust, PostgreSQL, Databricks, Terraform, Docker, AWS Lambda, Batch, API Gateway

StockX

Detroit, MI

Software Developer

May 2019 - June 2022

Developed ecommerce payments and disbursements microservices, integrating with several payment providers

Worked on operating blind Dutch auctions for special brand product releases

Worked with checkout team to develop and maintain checkout flows, and provide on-call support for site reliability

Technologies used: Node.js, TypeScript, PostgreSQL, AWS Lambda, Kafka, Docker, Kubernetes, PHP, Nginx

LLamasoft

Ann Arbor, MI

Software Developer

August 2017 - May 2019

Started greenfield development of supply chain modeling front-end web application

Developed React data grid component for supply chain modeling, with virtual rendering, sorting, filtering, and custom cell editors

Technologies used: React, Redux, SCSS, Docker, Kubernetes, Nginx

Alliance Inspection Management

Farmington Hills, MI

Software Developer

September 2015 - August 2017

Developed microservice to accept, process, and schedule vehicle inspections

Developed inspection scheduling front-end application for end users to schedule inspections at their home or office

Technologies used: React, Redux, Angular, SCSS, Node.js, PostgreSQL, Docker

Education

Western Michigan University

BSc - Computer Science, Minor - Mathematics

Fall 2012 - Spring 2015

Washtenaw Community College

Certificate - Digital Video Production

Fall 2010 - Spring 2012

Interests

I enjoy working with 3D printing, electronics, home network and smart home equipment, with Home Assistant and Ubiquiti. I'm currently working on a Spark guitar amp foot pedal controller, using Rust and a Raspberry Pi Pico microcontroller.