

# Kyle Sorensen

2876 S 3350 W, Hurricane, Utah | 7605196870

sorensen.kyle@pm.me

## Summary

---

I am a software engineer with 7+ years of experience working in the scientific industry on embedded projects and AI, along with 4+ years of full stack development using Python/React. I have extensive experience with AWS, along with proficiency in Azure and GCP, CI/CD, Test driven development, agile methodology. I am self-taught and always hit the ground running.

## Experience

---

### Kungfu AI | TX, Austin

#### Software Engineer (Contract) | 04/2022 - 11/2022

Worked on a team of 2 MLEs as a software engineer to build a restful API using FastAPI around a computer vision model to an embedded edge device, containerized this API using Docker.

### agilon health | CA, Irvine

#### Senior Cloud Engineer | 03/2021 - 04/2022

Worked with a team of 10 other software engineers to move a data warehouse and collection service off MSSQL/.NET and into Python3/AWS/Snowflake. Built a restful API service using AWS lambda for the submission and retrieval of medicare eligibility inquiries to the govt.

### Mori Associates / JPL | CA, Pasadena

#### Systems Monitoring Engineer (Contract) | 04/2020 - 02/2021

Rewrote an old enterprise web application in React/Python and deployed this to NASA's Kubernetes cluster. Developed applications to assist in the monitoring of critical network operations at the Jet Propulsion Laboratory. Developed an automated, unsupervised, time-series anomaly detection service for JPL's network telemetry data.

### Grokstream LLC | CA, San Clemente

#### Senior Software Engineer | 03/2017 - 03/2020

Worked in a team of one other software engineer (the CTO), and an MLE to develop a large scale anomaly detection framework, along with a network event clustering model, which were combined into a web based front end, for the automatic detection of severe incidents in large network operations centers. Developed a front end web application in React/Flask to visualize and explore data.

### Thermo Fisher Scientific | CA, Carlsbad

#### Software Engineer (Contract) | 10/2016 - 03/2017

Worked as a contractor on a team of 3 other engineers to develop embedded software to run on Thermo Fisher's DNA sequencers, with the purpose of integrating their collection, experiment and metadata to an AWS cloud environment.

### 3 Screens Studios | CA, Escondido

#### Software Engineer | 03/2015 - 06/2017

Worked with a team of 2 other developers to maintain and build a web application for a client to monitor drug and bodily fluid samples in real time as they were processed through their lab. Additionally, worked on a small project that created a Google chrome plugin to study the effects of search engine results during the 2016 US election.

## Skills

---

Linux, AWS, Azure, Docker, Elasticsearch, Kubernetes, Machine Learning, Reinforcement Learning, Embedded, Physics, Wilderness Survival, Poetry, CNNs, JavaScript, React, Vue.js, Python3, Flask, FastAPI

## Education

---

### California Polytechnic State University - San Luis Obispo | San Luis Obispo, CA

#### Physics

Studied a B.S. in Physics.

### College of the Sequoias | Visalia, CA

Completed coursework necessary to transfer to a 4-year university.