



Dan Edens

Software Engineer
Project Manager
DevOps & Monitoring

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[Github/DanEdens/Resume](#)

Software Engineer and GeoTechnical Monitoring Specialist

- Long history of providing Accurate and Reliable Data

Incomprehensive list of tools I have delivered products using:
- Python, NodeJS, Javascript, Java, C#Basic, SQL, REST, PHP, and MQTT
- DevOps CI/CD, Containerization, and Documentation generation
- Cloud platforms including Azure, Gitlab, and AWS

[View My Portfolio on Github](#)

Geo Instruments - Project Coordinator —

06/2018 - Present

Position: Project Coordinator
Description: Geotechnical Instrumentation and Automation Specialist

Operated an Office Remotely in Little Elm, Tx for 3.5 years

Developed website's for delivering sensor data to the Client.

Responsible for managing projects consisting of:

Data collection, Server Management, Website development, Risk mitigation, and Compliance Documentation

Chili's Grill and Bar - Lead Prep Cook —

06/2014 - 06/2018

Position: Lead Prep Cook
Description: Lead Prep team, Maintained Show-ready kitchen for Chili's Test location in Castle Hills, TX

Took Key part in Franchise showcases and assisted during Marketing events such as filming TV commercials.

Worked with Corporate to help Field test new Products and Improve upon standards.

Developed Mobile Apps for Kitchen Use:
1. Hands-Free Recipe App for Kitchen Tablet.
2. Mobile App for collecting Cooling log Data and scheduling Oven timers.
3. Mobile App for collecting Data on the accuracy of Daily On-hand Food Quantities

AMEC Earth & Environmental - Laboratory Technician —

08/2013 - 04/2014

Position: Laboratory Technician
Description: Performed laboratory testing on concrete and soil samples

Collected data and maintained reports for tests on Concrete samples

Managed Sample Storage, Test Scheduling, and Limestone environment maintenance

CODE & SOFTWARE

JavaScript

Node.js

Pygame

jQuery

Python

REST

Automation

Async/Multithreading

Deployment Pipelines

Ansible

Azure

Gitlab

Self-Hosted

Databasing

SQL

MySQL

CSS

Windows

CSS3

Scss

Sass

HTML

HTML5

Pug3

Generators

Campbell Scientific

Luggernet SDK

CoreScript

CRRelease

PRACTICES & TOOLS

Version Control

CD/CI

Pipelines

Server Management

SDLC methodologies

Agile

Design

Stress

Security

Cloud Services

Security

Onstage

Resource management

Vibe

Containerization

Docker

WFL

Build Automation

Cloud Computing

Agent Posts

Virtual Machines

Project Management

Microsoft Teams-AP

Power Automate

Field Experience

User-Centered Design

Mechanical expertise

Monitoring Portfolio +

Fuji Vegetable Oil Tunneling

Project News Article

- Tunneling Monitoring below 14 lines of Railroad.
- Provided the client settlement data during tunneling

Aug 2021 - Apr 2022

425 Riverside Excavation Monitoring

Related News Article

- Diaphragm wall project in Downtown Austin, Tx
- Data used to verify design loads during construction, resulting in the elimination of a row of anchors.

May 2018 - Jun 2020

Atoka Pipeline Repair

Related News Article

- Tunneling project to relocate a Water pipeline underground
- Installed 2 AMTS systems to monitor the active water pipeline during blasting activities

Jul 2019 - Jan 2022

Government Center Parking Garage

Related News Article

- Load Test performed on supports affected by the Government Center Garage collapse in Boston, MA.
- Deployed MPRX Laser systems and String potentiometer during testing

May 2022

MSE Wall Repair

Project Spotlight

- I oversaw Settlement Monitoring during repair of a collapsed MSE wall in Fort Worth, TX.
- Settlement was monitored using Tiltmeters and Automated Total Stations during the wall's repair.

2021

Capitol Complex Excavation

Project Website

- Excavation monitoring in Downtown Austin, Tx.
- Installed AMTS systems, Tiltmeters, Automated inclinometers, and Vibration Monitors.

Mar 2018 - Jul 2022

SH288 MSE wall failure

Related News Article

- Provided the client with SAA and Piezometer data during operations.
- These were used to monitor for additional settlement and the height of the water table during Emergency repairs.

Apr 2021 - Oct 2021

Columbia-Lock and Dam - Emergency repairs

Project Spotlight

- Emergency Repair of an Army Corps of Engineers' Lock and Dam. Provided Equipment troubleshooting and Live Data monitoring for the repair team. Developed a Crowd logging app for Crew working in heavy storming. Deployed Piezometers and Tiltmeters 40 feet undervatler on the Dam's slab.

Nov 2018 to Feb 2019