



Dan Edens

Software Engineer
Project Manager
DevOps & Monitoring

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Self Sufficient and Driven Software Engineer with a focus on DevOps Automation

- Experienced leading Teams, or Operating Independently in high-stress Environments
- 4+ years Experience in Project Management and working Remotely
- 4+ years Experience in Python, NodeJS, and Java development
- 2+ years Experience engineering DevOps Pipelines and developing Testing Software.

During my time Remotely maintaining Sensor networks across Construction sites, I have gained experience leveraging AWS and CI/CD pipeline assets to ensure continuous data collection and facilitate the rollout of new features while working in high-risk environments.

I am proven under fire, responding to Emergencies and supporting engineering teams with early detection of structural movement. Additionally, I have developed and deployed several internal Mobile Apps to help ensure the Customer receives accurate and timely Data. I enjoy dreaming up new accessibility options and distraction-free triggers to make mobile tools more practical, specifically in locations where safety is a concern.

Incomprehensive list of tools I have utilized in Production:

- Python, NodeJS, Java, CRBasic, SQL, REST, 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

*Experienced Operating Independently, Operated a remote office for 3.5 years
Experienced Traveling and responding to Emergencies*

Worked directly with Clients to develop project plans, and deliver Data to Users

Provided Remote Trainings and Troubleshooting Support, and Developed Web Interfaces to customer specifications

Installed monitoring equipment in Industrial and Construction Environments, gaining skills with:

Troubleshooting Hardware, Networking, Databases, and developing Test Automation using Azure DevOps and AWS

Developed Desktop, Cloud, and Mobile Apps to assist with Data collection, Issue visibility, and Inventory Management. 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 NodeJs Puppeteer jQuery
Python REST Automation Async/Multithreading
Deployment Pipelines Aws Azure Gitlab Self-Hosted
Databasing SQL LINQ Mysql
CSS Markdown CSS3 Sass
HTML HMTL5 Pug3 Generators
Campbell Scientific Loggernet SDK Corascrip CRbasic

PRACTICES & TOOLS



Version Control CD/CI Pipelines Server Management
SDLC methodologies Agile Devops Scrum Iterative
Cloud Services Security Groups Resource management
Containerization Docker WSL Build Automation
Cloud Computing Agent Pools Virtual Machines
Project Management Microsoft Teams API 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 with Settlement data during Operations

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 2019 - 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 MPBX 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 Grout logging app for Crew working in heavy storming Deployed Piezometers and Tiltmeters 40 feet underwater on the Dam's slab

Nov 2018 to Feb 2019

