Dan Edens

QA Automation Engineer
Project Manager
Site-realibilty & Monitoring

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Self Sufficient and Driven Software Engineer with a focus on Automation

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

Working as an Automation engineer has been characterized by a relentless pursuit of automation and efficiency in the realm of testing router firmware.
This role, which blended my passion and career, allowed me to dive deep into the intricacies of networking technology and automation tools.
I added value to Minim's Test practices by Reducing labor costs and improving transparency.

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

I am proven under fire, having responded to Emergencies and large scale efforts. Supporting engineering teams with early detection of structural movement, and reliabe Automated measurements.
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, Powershell, SQL, REST, and MQTT
- DevOps CI/CD, Containerization, and Documentation best practices
- Cloud platforms including Atlassian, Azure, Gitlab, and AWS
- Network tooling including OpenWRT, CDRouter, Jperf, and CMTS

View My Portfolio on Github

Minim - QA Automation Engineer ▬

09/2022 - 10/2023

Position: QA Automation Engineer
Description: Seasoned QA Automation Engineer dedicated to ensuring product quality through rigorous testing. My role involves:

- Automated testing of Features, UIs on various browsers, and mobile apps
- Creating and executing device verification test plans
  Bug reporting, verification, and regression testing
- Extensive Firmware/Hardware/Platform Testing
- Strategic execution of test plans in network environments
- Rapid resolution of network/test environment issues
- Collaborating with QA, Software/Firmware, and Tech Support Teams
- Developing automation scripts in Enterprise environments
- CDRouter maintenance and support

Geo Instruments - Project Coordinator ▬

06/2018 - 09/2022

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 `</>`

Python JavaScript C# REST Shell Mobile Devolpment
Automation Selenium Playwright Cypress Jenkins Tasker
Deployment Pipelines Aws Azure Gitlab Self-Hosted
Databasing SQL LINQ Mysql Async/Multithreading
CSS Markdown CSS3 Sass HTML
Campbell Scientfic Loggernet SDK Corascript CRbasic
Networking Packet Analytics Vlans / Routing

PRACTICES & TOOLING 🖥

Version Control Code review Agile CD/CI Server Managment
Cloud Services Security Group Managment Rescource managment
Containerization Build Automation Site-Realiablity Monitoring
Cloud Computing Agent Pools Virtual Machines Networks
Project Management Kanban API Automation Microsoft/Atlassian
Field Experience User-Centered Design "Tough crowd" App Design
Mechanical expertise Electronics debugging Embedded systems

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
Related News Article

- 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