

Derek Singleton

Full Stack Engineer- Owner of Devhorizon.io

📍 Cincinnati, Ohio 📞 513-429-8888 📧 ds301056@gmail.com 🌐 <https://devhorizon.io/>

◦ Technical Skills ◦

Programming Languages

C#, Python, JavaScript

Frontend & Styling

React, Next.js, Tailwind CSS, HTML

Backend & APIs

Flask, FastAPI, .NET Core, RESTful API

Databases

SQL Server, MongoDB

Data Analytics & visualizations

Pandas, NumPy, Matplotlib, Power BI, R

Machine Learning / AI

PyTorch, scikit-learn, transformers
(HuggingFace)

DevOps / Tools

Git, Docker, Postman

◦ Soft Skills ◦

Problem-Solving

Breaking down complex problems,
finding efficient solutions

Clear Communication

Explaining technical ideas to both
developers and stakeholders

Collaboration

Working efficiently with cross-
functional teams

Time management

Balancing priorities and delivering on
deadlines

Attention to Detail

Writing clean, maintainable and bug-
free code

◦ Certifications ◦

Cloud Practitioner

AWS

December 2024

NextJS

JavaScript Mastery
August 2024

Summary

Full stack engineer skilled in **React, Python, .NET Core, and SQL Server**, focused on replacing outdated systems with scalable solutions. Rebuilt legacy platforms, automated Revit workflows, and developed real-time dashboards using **Docker** and **RESTful APIs**. Currently earning a B.S. in Data Analysis while pursuing Azure AI-102 and IBM AI Engineering certifications.

Experience

Motz Engineering

Software Engineer

January 2025 - Present

- Rebuilt the legacy project management system using **SQL Server** and **C# ASP.NET**, replacing 8 flat-file structures with a scalable relational model.
- Integrated **real-time project tracking, KPI dashboards, and work forecasting** tools.
- Engineered a deployable `.exe`` using a custom **installer and auto-updater** for streamlined deployment.
- Automated PDF generation and print workflows via **custom print drivers**.
- Developed Revit add-ins for **parameter linking, quality control, and admin-level data management**, improving system reliability and productivity.

Balluff

Software Engineer

August 2023 - December 2024

- Built scalable data pipelines using **Node.js** and **Python** to query over 120 sensors for real-time data acquisition, system diagnostics, and analytics dashboards.
- Integrated industrial communication protocols including **REST API, TCP/IP, UDP, and EtherNet/IP** for reliable cross-device communication.

Education

University of Cincinnati

Data Analysis & Software Development

Bachelor of Science

August 2024 - Present

Cincinnati State

Software Development and Database Management

Associate Degree

August 2022 - May 2024

Projects

My Portfolio Website

Built, hosted and maintained by me

🌐 <https://devhorizon.io/>

DevOverflow · (Stack Overflow Clone)

NextJs, TailWind, MongoDB, OAuth

🌐 <https://dev-overflow-topaz-kappa.vercel.app/>

Oanda Auto Trading

Python, MongoDB, Excel Automation, pandas, React, Cloud Deployment, RestAPI

🌐 <https://forex.devhorizon.io/>