Josh Marquardt

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SUMMARY

Software developer with over 1 year of experience developing web applications in a fast-paced technology startup and 6 years of data analysis experience. Skilled in building efficient back-end systems using C#, .NET, and SQL Server, and developing dynamic front-end interfaces with Angular, JavaScript, HTML, and CSS. Experienced working with various data structures, including XML and JSON, to streamline data exchange and integration across applications.

SKILLS

- C#
- .NET
- Angular, JavaScript, HTML, CSS
- SQL (SQL Server, MySQL)
- Entity Framework
- API Development/Integration
- Git
- R (data analysis & visualization)

WORK EXPERIENCE

Junior Software Developer   September 2023 - Present
Low Cost Pet Tech, Co.

- Developed RESTful APIs to consolidate a deprecated database into the new architecture, improving data integrity and enhanced coverage for over 150,000 customer accounts. Optimized system efficiency by offloading messaging tasks, achieving a 10% reduction in server load during peak hours.
- Integrated third-party APIs, including Google Maps, Radar, American Kennel Club (AKC Reunite), Homebase, and Kickbox, into new and existing software solutions.
- Created a company-wide inventory management system from the ground up, improving efficiency and accuracy in inventory tracking.
- Enhanced software performance by using various data structures, including XML & JSON.

Business Owner   January 2021 – July 2023
SLC Vintage Goods LLC

- Co-founded online vintage furniture company with avg. of 93% YoY revenue growth since inception.
- Used HTML and CSS to develop company website: slcvintagegoods.github.io

Graduate Research Fellow   August 2018 – December 2020
University of Utah & Lawrence Berkeley National Laboratory

- Used R to analyze, process, and visualize data to conduct original research in geophysics. Published sample: Figure 3 in https://sd.copernicus.org/articles/25/35/2019/
- Wrote R scripts for various geophysical laboratory instruments to streamline data analysis and visualization for all laboratory users.

EDUCATION

University of Utah **– M.S., Geophysics**   August 2018 – December 2020

University of Wisconsin-Milwaukee **– B.S., Geosciences**   January 2014 – May 2018