Hans Wustrack

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Experience

2017–2019 **Software Developer**, *OSIsoft LLC*, San Leandro, CA.

OSIsoft provides a data infrastructure used by 65% of the industrial Fortune 500, deployed on over 19,000 sites, and collecting 1.5+ billion data streams worldwide. My team was working on bringing OSIsoft's data infrastructure into the cloud.

At OSIsoft, I worked on a pub sub data pipeline that routes data to our distributed data store. We were building this with microservices hosted in Microsoft's Azure Service Fabric. My team was responsible for developing these new microservices, supporting our legacy cloud platform – launched in 2013 – and maintaining our json based message specification.

- Worked with a small team to migrate our backend from Azure Table Storage to Azure SQL
  - Designed and benchmarked the schema
  - Rewrote our storage layer using Entity Framework Core
- As team security champion, led security reviews and setup nightly static analysis scans of our codebase using Coverity and MSRD
- Designed and implemented the first version of access control in our services
- Led production releases of our legacy cloud platform which upgrades our cloud components as well as the on-premise components hosted by our customers
- Taught a class to another development team about our json based message format
- Participated in support rotations where I was the front-line support for any questions/issues from Customer Support

2016–2017 **IT Developer**, *OSIsoft LLC*, San Leandro, CA.

A colleague and I moved to IT to form a development team of just the two of us and continued working closely with the Customer Support Department – pitching, designing, developing, and releasing applications for their use. Our main project was a Windows Form utility to help Tech Support engineers troubleshoot a customer's system. The app would run a series of modules in parallel to attempt to isolate issues and report them to the Tech Support engineer. Unfortunately, the project was killed because another engineering team was already working on a similar project.

2015–2016 **Customer Support Engineer**, *OSIsoft LLC*, San Leandro, CA.

Rotated between Tech Support and Field Service departments. Both required working directly with customers to install, upgrade, and troubleshoot the OSIsoft product suite. On Tech Support, I closed over 500 cases and was in the top 10% of engineers by closed cases.

2014–2015 **Manufacturing Engineer**, *Precision Machine Works*, Tacoma, WA.

Primary engineer on multiple Boeing 787 contracts for which I would write, submit, and maintain D6-1276 controlled manufacturing plans. One of my focuses was on reducing our volume of discrepant inventory, which I was able to reduce by $500,000 worth of parts.

Education

2010–2014 **BS, Mechanical Engineering**, *University of Wisconsin - Madison*, Madison, WI.

gpa: 3.72/4.0

Technical Experience

Proficient With

languages C#, JavaScript

technologies .NET Framework/Core, ASP.NET/Core, Azure DevOps, Git, Visual Studio, WinDbg, Entity Framework Core (ORM), Azure - Service Fabric, Event Hubs, Table Storage, Key Vault, SQL

Experience With

languages PHP, Java, Python, C

technologies Apache, Nginx, MySQL