Nicholas Judge

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Goal Statement

Software engineer with almost a decade of experience in architecting and building high performance scalable systems

Education

Goucher College *Sept 2014 – May 2018*
Bachelor of Arts in Computer Science

Technologies

Languages: Rust, C#, C++, C, Java, JavaScript, SQL, HTML/CSS

Technologies: .NET, Microsoft SQL Server, Git, Linux, Kubernetes, Docker, React, Node, AWS

Experience

Senior Software Engineer *ShareASale/Awin* *Baltimore, MD June 2022 – Present*

- Architected and build Rust service to Read from AWS SQS queues to sync data during account migration from the ShareASale platform to the Awin platform to sync 1k+ transactions per day
- Architected and built Rust API to log client side logs and checkout events from the Shopify pixel and log to a sqlite database synced to S3
- Migrated .NET codebase from SVN to GitLab and upgraded code base from .NET framework 4.6.1 to 4.8 and additionally .NET framework 4.8 to .NET core 8.0
- Rearchitected Shopify plugin to upgrade Shopify CLI version from 1.X to 3.X and replace outdated JavaScript front and backend frameworks
- Built and maintained Rest API and Database for tracking fraudulent acts and fraudulent account details with IPQS integration
- Maintained Sale Processor along with building out health check service to monitor the health of that service to track the health of 4+ million clicks per day which convert to 100+ transactions per hour

Software Engineer *Internet Testing Systems* *Baltimore, MD Aug 2019 – July 2022*

- Collaborated closely with Product Managers and Quality Assurance to develop .NET Core and .NET Framework web applications and Windows Services to support and configure our suite of Online Testing web applications used by over 5000+ users.
- Implemented .NET API to Automatically create an IIS application that is used to deploy new web applications through Azure pipeline
- Developed a SQL Server job used across multiple development and Production environments to clean up stale database records.
- Developed plugin for validating SQL best practices as a SQL Server Management Studio 2017 and 2018 extension
- Create and manage Azure build and release pipelines for web applications and web services
- Refactored our client facing data version comparison tool to allow comparison of large data sets of up a SQL database table of 1 million records with 6 columns from an average of 1 minute 30 seconds to 34 Seconds.

Projects

Rust in Production *github.com/sirjudge/ShareASaleRustProductionTalk* ↗
- Presentation given internally detailing the journey of building and deploying Rust code in production

Data Comparison Tool *github.com/sirjudge/data-comparison-tool* ↗
- Rust based CLI tool to compare two mysql database tables in a local sqlite file and output the added, changed, and removed records to a CSV output file