Nicholas Judge
📍 Baltimore, MD ✉ nico.a.judge@gmail.com 🔗 nicojudge.com

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

Technologies

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

Technologies: .NET, Microsoft SQL Server, Git, Linux, Kubernetes, Docker, Reach, 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
- 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 6.0 and later from 6.0 to 8.0
- Built and Maintained .NET and Rust Ubuntu Build environment for GitLab pipelines
- Rewrote Shopify plugin to migrate it from Shopify CLI 1.X to 3.X and update KOA routing to expressJS routing
- Built and maintained messaging service and database to send emails and text messages through Twilio API
- 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

Software Engineer Intern *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
- Leveraged Selenium C# API to automate launching and clicking through online test to simulate a normal user taking the test
- Utilized a Gatling, a Java load testing framework and Selenium, a C# browser automation API to simulate up to 15,000 - 25,000 concurrent users taking a test.
- 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

Data Comparison Tool   *github.com/sirjudge/repo* ↗

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