Nicholas Judge

📍 Baltimore, MD ✉ nico.a.judge@gmail.com 🔗 nicojudge.com in nicojudge ⭘ sirjudge

Goal Statement

Software engineer with almost a decade of experience architecting and building high-performant, scalable systems specializing in cloud architecture, microservices, custom tooling,and containerized applications

Education

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

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 built Rust service to Read AWS SQS queues to sync 1k+ transactions per day between platforms.
- Architected and built Rust API to log client side logs and checkout events from the Shopify checkout javascript event and log to a sqlite database synced to S3
- Built Rust CLI tool to bulk upload,read, and delete entries from cloudflare KeyValue storage to support a cloudflare JavaScript edge worker.
- Built Rust testing coverage tool to speed up development process of two Migration related APIs by automating postman manual testing and generating validation results based on API responses.
- Upgraded .NET framework 4.6.1 legacy code base to .NET core 8.0 for 3 different backend services.
- Built and maintained .NET core Rest API and service for tracking fraudulent acts and fraudulent account details.
- Maintained Sale Processor along with building out health check service to monitor the health of that service to track the health of 90k+ clicks, 10k+ sale captures, and 700+ transactions processed per hour at peak volume.
- Built and maintained DataDog log pipelines and Dashboards to monitor the health of our business critical services and performance metrics.

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

- Collaborated with Product Managers and QA to develop .NET Core and .NET Framework web applications and services to support and configure our suite of Online Testing web applications used by over 5000+ users.
- Implemented .NET API to programmatically create IIS applications using Azure pipelines.
- Developed a SQL Server job used across multiple 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.

IT Mobile Device Analyst *World Bank* *Washington, DC August 2018 – August 2019*

- Capitalized on enterprise mobility management tools such as MobileIron and Microsoft InTune to configure devices to configure and troubleshoot Android and iOS devices
- Resolved Remedy and ServiceNow tickets of all severity levels opened for mobile device issues, RSA token configurations, general troubleshooting, and phone plan changes.
- Served as a point of contact for the help desk, application and device users, and tier 3 support teams on issues related to the mobile device environment, remote access and virtual desktop configuration on mobile devices and laptops.

Projects and Presentations

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

TigerClaw *github.com/sirjudge/TigerClaw* ↗

- Rust based testing suite built to extract a token from an internal oAuth endpoint and test against a set of Migration APIs with additional validation to ensure the API responses match the expected results