

Nicholas Judge

📍 Baltimore, MD

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Professional Summary

Full-stack software engineer with seven years of experience architecting scalable systems across cloud infrastructure, backend services, and modern web applications. Proven expertise in Rust, .NET, and JavaScript ecosystems with strong DevOps practices including containerization, CI/CD pipelines, and AWS deployment strategies. Demonstrated leadership in technical modernization initiatives and cross-functional collaboration.

Technologies

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

Technologies: .NET, Microsoft SQL Server, SQLite, Git, GitLab, Linux, Kubernetes, Docker, React, Node.js, AWS (ECR, EKS, EC2, S3, SQS, lambda), DataDog, IIS, Azure

Experience

Senior Software Engineer

Baltimore, MD June 2022 – Aug 2025

ShareASale/Awin

- Architected multiple production Rust services: AWS SQS transaction sync (1k+ daily), Shopify event logging API (5k+ events), Cloudflare CLI tool, and automated testing framework replacing manual Postman workflows
- Designed comprehensive .NET NuGet package suite for framework modernization: structured logging with Serilog, AWS Secrets Manager integration, MSSQL RDS database wrapper, and SMS/email notifications with Twilio and internal SMTP server
- Led modernization initiatives across 10+ .NET services: migrated three services from .NET Framework 4.6.1 to Core 8.0, and executed codebase migration project from SVN to GitLab with CI/CD pipelines
- Contributed to legacy Shopify plugin modernization, upgrading React and KOA JavaScript frameworks to support latest Shopify CLI
- Developed fraud detection REST API and MSSQL table schemas with React frontend integration, tracking malicious activities across multiple platform services
- Maintained business-critical Sale Processor handling 90k+ clicks, 10k+ captures, and 700+ transactions per peak hour with additional .NET Core health monitoring service
- Transformed infrastructure: logging from Windows server files to DataDog JSON ingestion with parsing pipelines, containerized services with Docker for AWS ECR/EKS deployment
- Collaborated on Java Migration APIs facilitating 20k+ client account transitions to Awin platform and created technical documentation for AWS deployment procedures
- Provided 24 hour on call support for 1 week rotation supporting and resolving priority one alerts, ensuring high availability for critical frontend and backend infrastructure,

Software Engineer

Baltimore, MD Aug 2019 – June 2022

Internet Testing Systems

- Collaborated with Product Managers and QA teams to deliver .NET Core and Framework applications supporting 5000+ users across online testing platforms
- Implemented real-time test launching application using .NET MVC and SignalR, enabling administrators to deploy test configurations dynamically
- Automated IIS application deployment through .NET API integration with Azure pipelines
- Designed SQL Server maintenance jobs for automated cleanup of stale database records across multiple environments
- Created SQL best practices validation plugin as SSMS 2017/2018 extension
- Managed comprehensive Azure CI/CD pipelines for web applications and services
- Optimized data comparison tool performance, reducing processing time for 1M+ record datasets from 90 seconds to 34 seconds

IT Mobile Device Analyst

Washington, DC August 2018 – August 2019

World Bank

- Managed enterprise mobility solutions using MobileIron and Microsoft Intune for Android and iOS device configuration and troubleshooting
- Resolved multi-severity Remedy and ServiceNow tickets covering mobile devices, RSA tokens, and telecommunications support
- Served as primary liaison between help desk, end users, and tier 3 support teams for mobile environment and remote access

Education

Goucher College

Bachelor of Arts in Computer Science

Sept 2014 – May 2018

Projects and Presentations

Rust in Production

github.com/sirjudge/ShareASaleRustProductionTalk 

- Internal presentation detailing the journey of building and deploying Rust code in production environments

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

Simple Dungeon

<https://github.com/sirjudge/SimpleDungeon> 

- TypeScript exploration of a simple online TTRPG client using Bun as a JavaScript package manager and build tool, with HTMX for client-side component building