Ryan McDonough

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Summary

Platform engineer with 10+ years shipping production software at enterprise scale. Built CI/CD infrastructure for 80+ microservices, led full-stack teams at TransUnion (one of the three major US credit bureaus), and designed event-driven Azure systems for mortgage workflows. Owns the full stack, frontend through infrastructure.

Experience

Applications System Developer, Summit Funding | Oct 2024 - Present

Mortgage workflow integrations: Encompass SDK, Azure Event Grid, containerized TypeScript and C# services

- Rebuilt legacy Encompass SDK integrations around Developer Connect APIs and containerized TypeScript and C# services in Azure Container Apps with Terraform-managed deployments
- Designs and owns webhook ingestion and Azure Event Grid pipelines for mortgage event processing, routing email, notifications, and downstream jobs into async flows
- Standardized releases and service design using Terraform, Bitbucket Pipelines, and C4 architecture diagrams across the engineering org
- Introduced agentic AI workflows into the developer stack using GitHub Copilot and frontier models from Anthropic, OpenAI, and Google for code generation, review, and automated refactoring

Lead Full Stack Engineer, TransUnion Consumer Interactive | Nov 2021 - Sep 2024

Consumer credit products serving millions of users: TypeScript, React, Next.js, Java, Python

- Led teams of 10+ engineers delivering consumer-facing credit reporting experiences, including a full product redesign while maintaining continuous delivery
- Drove engineering quality across distributed teams, including testing standards, static analysis, architecture reviews, and code review practices across 5+ international teams
- Shipped frontend redesign work, handled urgent production issues, and modernized the frontend tooling stack with React, Next.js, and Vite
- Mentored junior and mid-level engineers through code reviews, pair programming, and technical design sessions, growing multiple team members into senior roles

Lead Engineer, CI/CD Platform, TransUnion | May 2021 - Nov 2021

DevOps and developer experience: Kubernetes, Helm, Terraform, Jenkins, SonarQube

- Built the CI/CD platform for 80+ microservice applications, including Jenkins pipelines, Kubernetes and Helm-based deployments, Terraform automation, and SonarQube quality gates
- Introduced automated deployments, regression testing, security scanning, and build triggers that reduced manual pipeline work and made releases consistent at scale
- Designed a Helm chart build system integrating with Apache Maven, and refactored application architecture to use the sidecar container pattern

Senior Engineer, ETL & Platform, TransUnion | Feb 2018 - May 2021

Enterprise Java services and data pipelines: Ab Initio, JUnit, Selenium, Splunk, Grafana

- Designed unit testing patterns for enterprise Java applications and automated Ab Initio ETL builds with Jenkins across credit data pipelines
- Built UI regression coverage with SerenityBDD, Cucumber, and Selenium for consumer-facing products; introduced unit testing to 30+ legacy Java EE codebases
- Monitored and diagnosed production issues using Splunk, AppDynamics, Grafana, and Spotfire

Associate QA Engineer, TransUnion | Sep 2016 - Feb 2018

- Led QA on the MultiBureau credit lock feature, including partner coordination, SOAP interface testing, and mobile push notification integration
- Led Ab Initio batch processing overhaul: wrote custom testing graphs simulating large datasets and captured metrics on millions of customers' daily alerts in production-like environments

QA Analyst & Intern, Hathway | Nov 2014 - Sep 2016

Digital agency, acquired for nine figures. Enterprise client work across web, mobile, and platform projects.

- Delivered QA across enterprise accounts including Red Bull, Titleist, VIAVI Solutions, TIBCO, Applied Materials, Jamba, and Platinum Performance
- Implemented Selenium test automation (Java bindings) with Browserstack for teams of 5-10

Skills

Languages & Frontend: TypeScript, JavaScript, Java, Python, Bash, C#, Go, SQL, React, Next.js, Vite, HTML, CSS

Infrastructure & CI/CD: Kubernetes, Helm, Terraform, Docker, Azure Container Apps, Azure Event Grid, Jenkins, Bitbucket Pipelines, GitHub Actions, Grafana, Splunk, AppDynamics, SonarQube

Testing & Data: Selenium, SerenityBDD, JUnit 5, Mockito, CucumberBDD, ReadyAPI, PostgreSQL, Oracle DB, Ab Initio, REST, SOAP, Webhooks

Certification: Microsoft Certified: Azure Fundamentals

Education: Cuesta College, Computer Science, San Luis Obispo, CA