Steve Russell | Java, Kubernetes, AWS

Mount Sterling – Central Ohio

614-205-7583 • steve@russell.services

Summary

As a lazy 8th grader I taught myself to program a calculator to do my algebra homework for me. Later, after spending a decade as a math teacher, I returned to the practice of capturing solutions within machines.

Experience

Manifest Solutions

Consultant with Chemical Abstract Services   *Jan 2025 – Jul 2025*

- Designed and maintained systems deployed to AWS infrastructure with Terraform
- Architected and implemented serverless application using AWS Lambda and Step Functions for an essential business process. Configured Private VPCs, Route 53, and API Gateway for integration with on-premise systems.
- Implemented data pipeline for transformation and enrichment of hundreds of millions of records using EMR Spark and Scala
- Application development using Java 21 and Python
- Mentored junior devs developing Spring Boot applications
- Created and maintained CI/CD pipelines using Gitlab
- Used docker containerization in development and deployment of applications
- Supported integration of serverless backend with Angular web app

Veracode

Senior Software Engineer   *Jan 2022 – Oct 2024*

- Maintained and developed automation for building and configuring Kubernetes (EKS) clusters in AWS
- Provided support and training in Kubernetes, Helm, and Argo CD to assist teams in modernizing development practices
- Served on call for production support
- Used Ansible for on-demand provisioning and configuration of ephemeral dev environments
- Extensive use of Terraform to manage cloud infrastructure
- Supported deployment and operation of Veracode's SaaS products.
- Created and maintained CI/CD pipelines in Gitlab

Manifest Solutions

Consultant with American Electric Power   *May 2016 – Jan 2022*

- Full-stack Java development with Java EE, Spring (Java), React (JavaScript), and SQL (Oracle)
- Standalone Java development to integrate Oracle Identity Manager (an IAM Product) into AEP corporate infrastructure
- Worked to modernized development practices with tools such as Maven, Git, and Artifactory
- Provided production support with failure analysis and bugfixes. Assisted Operations with production environment configuration and deployment
- Onboarding and mentoring of new developers
- name: Manifest Solutions Corporate Training
- Developed and delivered modules for Manifest Solutions software development bootcamp
- Developed and delivered corporate training to Manifest Solutions clients

Edison Community College

Mathematics Instructor   *Aug 2012 – May 2016*

- Courses taught ranged from developmental math to Calculus III and Differential Equations
- Designed and implemented a Precalculus course
- Participated in College Credit Plus: assisted high school teachers with curriculum design and certification
- Used Mathematica and SageMath (Python) to create classroom demonstrations, assessments, and solution guides
- Worked to incorporate programming into several of my math courses

Certificates

Certified Kubernetes Administrator

Linux Foundation   *Mar 2024*

Education

Bowling Green State University
Master, Mathematics   *Aug 2009 – Dec 2011*

Liberty University
Bachelor, Mathematics   *Aug 2002 – May 2006*