

Zach Romano



zromano.com



zachary.c.romano@gmail.com



linkedin.com/in/zromano/

SKILLS

Programming Languages Java, SQL, JavaScript, TypeScript, HTML/CSS

Software Technologies Spring, React, Docker, Gitlab-CI, Kibana, Datadog, JUnit, SonarQube, AWS, Kubernetes, Helm

EXPERIENCE



Smartsheet

Dec 2020 - Present

Software Engineer

Development & Design:

- Worked on decoupling user data from a monolith and built a service that gets 4k requests per second
- Led team on converting an existing synchronous publishing flow to be asynchronous
- Designed and led full-stack development of 'deactivate user' feature as an alternative to deleting them
- Lead multiple engineers on the development/maintenance of the open source [Smartsheet Java SDK](#)
- Started and led effort at the company to start upgrading services to Java 17 and SpringBoot 3

DevOps:

- Profiled memory/CPU utilization to determine optimal Kubernetes pod and JVM sizing
- Designed and built a release process that increased deployments from once a week to twice per day
- Enabled new company tooling like Pact for contract tests and Renovate to keep dependencies updated

Teaching:

- Taught and encouraged modern Java/Spring practices and became the 'go-to' SpringBoot developer
- Mentored an intern and guided them on improving the SCIM interface with Azure Active Directory
- Introduced team to build technologies such as Gradle and Liquibase to improve pipeline speeds



Boeing

Mar 2019 - Dec 2020

Full Stack Developer

Development:

- Produced an app to optimize purchasing that discovered \$1 billion in unrealized savings
- Developed an app that generates GitLab-CI pipelines to test and deploy existing apps

DevOps:

- Implemented zero downtime deploys so that applications can be released at any time
- Introduced team to persistent chat and set up webhooks for live alerting of pipeline failures

Teaching:

- Utilized paired programming to teach modern development practices for 1500+ hours
- Taught Extreme Programming principles such as Test-Driven Development and CI/CD
- Led courses to train developers on deploying software to the Pivotal Cloud Foundry



Aug 2017 - Mar 2019

Systems Engineering Rotation

- Created a website using .NET Core and Tableau to host real-time analytics

PROJECTS

Capture the Flag

Created a publicly available cybersecurity challenge where users can try to "hack" an election

Online Clue Game

Headed a team that developed an online version of Clue using Angular and Firebase

EDUCATION



Johns Hopkins

Master of Science in Computer Science, 4.0/4.0 - Focused in Cybersecurity



University of Illinois
Urbana-Champaign

Bachelor of Science in Aerospace Engineering, 3.77/4.00