Zach Romano

zromano.com

zachary.c.romano@gmail.com

linkedin.com/in/zromano/

SKILLS

Programming Languages

Java, Kotlin, SQL, JavaScript, TypeScript, HTML/CSS

Software Technologies

Spring, Docker, Gitlab-Cl, AWS, Kubernetes, Terraform, Kibana, Datadog, JUnit, SonarQube, React

EXPERIENCE



Senior 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 development and design of new revenue generating feature to improve sharing/access
- 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 that uncovered and helped resolve an issue in a popular AWS library
- 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



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
- 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



Systems Engineering Rotation

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

PROJECTS

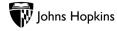
Capture the Flag

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

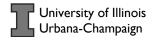
Online Clue Game

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

EDUCATION



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



Bachelor of Science in Aerospace Engineering, 3.77/4.00